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<110> Gorlach, Jorn
 An, Yong-Qiang
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 Price, Jennifer L.
 Raines, Tracy M.
 Yu, Yang
 Rameaka, Joshua G.
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 Matthew, Abraham V.
 Ledford, Brooke L.
 Woessner, Jeffrey P.
 Haas, William David
 20 Garcia, Carlos A.
 Kricker, Maja
 Slader, Ted
 Davis, Keith R.
 Allen, Keith
 25 Hoffman, Neil
 Hurban, Patrick

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 <223> n = A,T,C or G

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 <213> Arabidopsis thaliana

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45 ttatcgatcg atcccttcga tcttgtcttc cacctgcgag tacaattcct tgagcttctc     240
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   ctgagatagt gtcctcacct gcgcgtttgc agttgtagtg tcagcaatgt aagagcttgg     600
   tttcttctta tccttcttca aactctgaac tagatttgta gggtcagaat cgaagtagtg     660
   gctcacatca gtcaaagaaa tctctgaaga atccaggttc tggaaggtag cttctgcagt     720
   gctaagagcc atctcaaaga cctgcttctt ctgagccatt cctgctccag gagcatcact     780
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   gtcaagaagg ttcatctggg tgataaagag atcacggaag acccctgagc agttaacaac      1080
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   <213> Arabidopsis thaliana

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   atgacatagc aaaagacttc agtttcggat acaactactt tgagagacat cttttgtttg      180
   tgaatccaac acaatcatct gtctgcatct ccaatcattc ctctgctggc ggcgaacgag      240
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   tcctatcagg tgacctatca cgccgtcttt caggactgta tccatttcct cttgaatcat      780
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	caaacttcaa	actctcatgg	aagctcaaat	cgtttccggt	tttctccgat	tcgagtcctc	480
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<210> 13
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15 <213> Arabidopsis thaliana

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	qctcatqaac acaacaaagt qgagttgtcc tgccataacc ggccgatttc agccgttaaa	960

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<211> 1308

<212> DNA

15 <213> Arabidopsis thaliana

<400> 16

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	ctcaaaactc	tatccgcaga	tgaatcaaaa	aacaatatta	gtttctttac	tttagtttgg	1200
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<210> 17

<211> 1297

<212> DNA

<213> Arabidopsis thaliana

45

<220>

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<222> (1)...(1297)

<223> n = A,T,C or G

50

<400> 17

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	acagtggcag	tgagagcgcg	taaaaaaaaa	gtaattaaaa	cggtaaagag	gataagatgt	180
55	ttgtctacgg	taagactcac	tatacttatt	atacaccgac	tgtaaataca	cggtggaaga	240
	tatgaagtct	tcagggttgat	tgtttatcca	ccgtagattc	gaatcagaac	gttggtacga	300


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5  caccgtactg tgcgtgtgct gctgaagcat aaacatgact aaggaaaatg tcgtcgtttt 360
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<210> 18
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25 <212> DNA
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30 <222> (1)...(1288)
   <223> n = A,T,C or G

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   aacgataaga taaagaagca aaaacctaga ttgacaagaa aacaaacatc cttccaaaaa 180
   cctcaaggta cttcatgagt tgtcgataaa aacataaagt atagataaaa ccaacaagca 240
   gatagcagag agcaacgaca gcacaagtga tgagattact agtaacgacc aataccccaa 300
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   agagcatgga tcacagagtt agcttcaaga gagtaaagct tcttccccct agccaaatcc 600
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 aaactttttac ttctctctac taaatcatca agttcggtag ttttcctctg caactctctt 240
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 35 tcttggtttt gtggaaccaa cagcaagaac gattgcatca ttctcttctt taagtccatc 1200
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<210> 20
 40 <211> 1282
 <212> DNA
 <213> Arabidopsis thaliana

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 <211> 1280
 <212> DNA
 <213> Arabidopsis thaliana

20
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 <221> misc_feature
 <222> (1)...(1280)
 <223> n = A,T,C or G

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	cgtaaagcat	acggtgggag	agaaactcga	tgtattgctc	aaccgtgaat	tgcttttgtc	1260
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50
 <210> 22
 <211> 1278
 <212> DNA
 <213> Arabidopsis thaliana

55
 <220>
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5 <222> (1)...(1278)
<223> n = A,T,C or G

<400> 22

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<210> 23

<211> 1276

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(1276)

40 <223> n = A,T,C or G

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<210> 24

15 <211> 1270

<212> DNA

<213> Arabidopsis thaliana

<400> 24

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<210> 25

<211> 1267

45 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 25

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	gttgacacaag agtgaagttg tctcgactgt tctgtttcca caacatcctt tgggtgcttc	360
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<210> 27

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10 <212> DNA

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<220>

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15 <222> (1)...(1261)

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<400> 27

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<211> 1253

<212> DNA

45 <213> Arabidopsis thaliana

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<222> (1)...(1253)

50 <223> n = A,T,C or G

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5	gaaccaacca	cttatcatca	gatcacaaaa	agcttagaag	cttccaccac	gaagacgaag	300
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<211> 1250

25 <212> DNA

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30 <222> (1)...(1250)

<223> n = A,T,C or G

<400> 29

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	aagaatgact	ttaagagtgg	aggcaacatg	aaagttaaca	agtataatgg	taatgttggt	360
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	gaagttcttg	gtgggttacat	ctttgtttgc	aacaatgata	ctatgcagga	ggatatgaaa	540
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	cactttcttc	aaaaaaaaaa	catgtgtgga	atacttgccg	ttttaggatg	ttccgatgat	240
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35 <213> Arabidopsis thaliana

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40 <223> n = A,T,C or G

<400> 31

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	cagaacctgg	caatggtgca	ccactggtag	aataatcatg	gtcttctactg	gtggcatttg	420
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<210> 32

<211> 1245

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(1245)

<223> n = A,T,C or G

<400> 32

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<213> Arabidopsis thaliana

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<223> n = A,T,C or G

55 <400> 33

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	accgcctgga	gctttgagga	atccaggagc	ttcggcgaga	gagacgcctg	attcggtagg	1140
	gacgaaatcg	attagcatct	cgccgaagct	aacgatcagt	cctttatcac	cgttggaatg	1200
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<212> DNA

30 <213> Arabidopsis thaliana

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35 <223> n = A,T,C or G

<400> 34

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<211> 1230

10 <212> DNA

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<211> 1228

<212> DNA

<213> Arabidopsis thaliana

40

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<223> n = A,T,C or G

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50 atctcacacc ttatagatga aaattttgct ccagaagggt ttaagagagg catgagtacg 240
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<211> 1226

<212> DNA

20 <213> Arabidopsis thaliana

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45 <210> 38

<211> 1220

<212> DNA

<213> Arabidopsis thaliana

50 <400> 38

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   <223> n = A,T,C or G

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   ttatacttgt attcctctta tgtttgggtc actcgtcaga gtcacttcga ccaactgttg 180
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5 <213> Arabidopsis thaliana

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5 tcactgtttg aagaactcgg tctttactat attggtccag ttgatgggca caacatagat 1140
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 10 <212> DNA
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 <223> n = A,T,C or G

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55 <211> 1179

<212> DNA

5 <213> Arabidopsis thaliana

<400> 52

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30 <211> 1144

<212> DNA

<213> Arabidopsis thaliana

<220>

35 <221> misc_feature

<222> (1)...(1144)

<223> n = A,T,C or G

<400> 74

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<210> 75

10 <211> 1143

<212> DNA

<213> Arabidopsis thaliana

<220>

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<210> 76

<211> 1143

<212> DNA

<213> Arabidopsis thaliana

<400> 76

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 aaa 1143

15
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 <211> 1142
 <212> DNA
 <213> Arabidopsis thaliana

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<210> 79

<211> 1135

<212> DNA

20 <213> *Arabidopsis thaliana*

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25 <223> n = A,T,C or G

<400> 79

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	aactctagcc	tcttcgcgca	ctctagtctc	cgttccatca	atgccggatc	ttcatctagt	300
	aactgtccca	actgtttccc	ctctctcttg	ctgatctgag	agtagaagta	attgagcaat	360
	gcgagcttgg	cttgtctaac	ctgacagatc	acacaagctt	ttggaatggg	gttacgnnng	420
35	tgtccgaaac	catattaaca	tacgcagata	catttgatgc	tatccttctg	aaatgtccgt	480
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45	cgaatgcacg	gcacatctcc	aatatagtg	atagttgagc	cccagcatca	actgcgacag	1080
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50 <212> DNA

<213> *Arabidopsis thaliana*

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<223> n = A,T,C or G

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<210> 81
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30 <213> Arabidopsis thaliana

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 35 gcaaaagccc aaagtgcatt cagtatcatc atagctctgt ttttacataa gttacaaata 180
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 55 <212> DNA
 <213> Arabidopsis thaliana

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 <223> n = A,T,C or G

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 35 <213> Arabidopsis thaliana

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 <212> DNA
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15

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	gtaaaattga	aggaagaaaa
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	gtcttgtttc	catccaggca
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	atcatcctgc	tttggttttg
	ntcttccttg	gcttcagtag
	ttttgcttca	gcagaagggc
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	gggaggtgac	tttgatgatg
	agccctttgt	cttggacccc
	tctcccagaa	gaagaattaa
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		tggcgccttt
		gttgtggaac
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<210> 88

<211> 1124

<212> DNA

<213> Arabidopsis thaliana

25

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   aatccaata cgacaagggt aggcattgaat cgaa      1114

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	taatcttcgc	tcacgggttg	gtagttcttc	gtcatcttag	ctaagctcac	agaacagaaa	1020
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30 <210> 106
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 <212> DNA
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35 <220>
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 <223> n = A,T,C or G

40 <400> 106

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	ctcttaatta	gtcaacgatc	atttcacata	aacttttatc	gagctactta	cttatcatag	180
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	atgatgatga	tcacagttt	cagaatgttc	atcagggaca	acaaccaata	aatcctcctt	840
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5 tgctctttct gacatcatgc cctgatcttt cacagcaagt gatccgacgt cgtttctcca 1020
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<210> 107

10 <211> 1094

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15 <221> misc_feature

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<223> n = A,T,C or G

<400> 107

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40 <210> 108

<211> 1094

<212> DNA

<213> Arabidopsis thaliana

45 <220>

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<222> (1)...(1094)

<223> n = A,T,C or G

50 <400> 108

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	cctgatttga	actcagcaag	atagcggtaa	tagtcannnt	tcatcnngtt	gaagaagaca	660
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	ttaacatcat	tccctttcac	tgcttccttt	tgttcaatcg	acgagaagat	cctccacgaa	840
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	gtcagatcaa	cattcaattt	cgcaacactt	ttcattgatt	ccaccatttc	ttcataacgc	960
15	tcagcttgct	cagagagctt	agcgaggtag	acgaaagtgt	cacgctcttt	tccagaaccc	1020
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20 <210> 109
 <211> 1093
 <212> DNA
 <213> Arabidopsis thaliana

25 <220>
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 <222> (1)...(1093)
 <223> n = A,T,C or G

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	aatgatcttc	atcttcatga	ccggataaac	tcttagagaa	agattcaaag	tgattatctt	180
	tgtggatccc	tccattgcta	tgtggaatth	agcttcaaaa	tcgatcagag	aagggtttat	240
	atcgaaggga	gaagaagctg	ctacaaaacc	aagaagagct	actttagata	gatcaggaga	300
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	cgttggttag	aatgtacctt	atgtcttatg	gtgtggtcat	acaatctgca	agtactgtct	420
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	gctgatcaga	gagattgcaa	cctgactcat	tgtactgttt	ctttcttctc	gtatgtttcc	1020
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50 <210> 110
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55 <220>
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5 <222> (1)...(1091)
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	atgctcgaac	gaacgccgga	ttctcttcaa	ccgcattgct	ccagtttacg	ataatttgaa	180
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<210> 111

30 <211> 1091

<212> DNA

<213> Arabidopsis thaliana

<400> 111

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	ttcaaggaga	tggagataaa	gtttgttaacc	gggatcttaa	agtgacaaag	cgtatgaagc	180
	aacctatcta	tgtttattac	caacttgaga	atttctacca	gaatcaccga	aggtatgtaa	240
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55 <210> 112

<211> 1090

5 <212> DNA
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<220>

<221> misc_feature

10 <222> (1)...(1090)

<223> n = A,T,C or G

<400> 112

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	atatgaatct	tcatgaggaa	gaagaagacg	acgacgccgt	ttacgactct	cctcctctct	180
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	accaaccatg	aatcttgaat	ttctttgatc	actaggggtt	taatttagct	taattaatta	960
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<210> 113

35 <211> 1090

<212> DNA

<213> Arabidopsis thaliana

<400> 113

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	gaggaagacg	aagatgccgt	ccttgatctg	aaatcgaagc	tttatcgatt	cgataaggat	240
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<210> 116

<211> 1088

15 <212> DNA

<213> Arabidopsis thaliana

<400> 116

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	gaaaaataag	TTTTTTTT	ttgttccttt	ccgtttcttc	ctttcatttt	tttgttacgt	240
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<210> 117

40 <211> 1087

<212> DNA

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10 <212> DNA

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<210> 133
<211> 1071
<212> DNA
<213> Arabidopsis thaliana

10

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10 <211> 1070

<212> DNA

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<210> 136

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<210> 137

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<212> DNA

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<400> 137

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   gctggacatg aacttcccca acccacgttt aagaatcggg ttgtaatacg tgaacaacga 660
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15  tgcttcagca gtagtagaga gatccggatc accagctgtg atatatggta tgaatgctac 900
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   ggagagagaa gccatgggag tgaatctctt gaaagaaagc gatgaatcag gaggagaaga 1020
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   gaagataaca aagctttttg gcaggaacac gaacaacttc ttcaggggac actgtatagg 240
35  acaagttcca ttgagacaaa gattagacaa gctacaaaag aagcgttgaa acaagttaaa 300
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   aagaaatgct tgagagacaa gaaaatgcat atggctcctt ggagaaaaca caagtacatg 720
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	gttctggcac	tgatggggta	agagatccta	acacggcaag	caccagggag	acgagcagca	300
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	aaaaannnna	agnacaagaa	ggagaagaaa	catcatgatg	atggtcacca	cagcagcagc	780
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25	attatgctca	tgtatcttat	ctaaatcaaa	aataataatt	tgatgaatca	taacttgtaa	1020
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<211> 1066

30 <212> DNA

<213> Arabidopsis thaliana

<400> 141

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	caatggagta	agtgtggaag	ttcttggttg	ggtcgaacca	gagataaaac	tggtgtctct	660
45	tgtctccttt	cccttgagca	aagacattgg	tgtgaagaac	ataaggcttc	cctgtctcgt	720
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	gcataatttc	tccgttgaa	attttgctct	tgtggtcacc	ccaagtgagg	tcaaactcgt	960
50	cgaagaagtt	gcttgcgtag	gccgaaccga	acaatgtcac	aagaagaaca	gtcgcaccga	1020
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<210> 142

<211> 1065

55 <212> DNA

<213> Arabidopsis thaliana

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tcggcccatt aacaaattaa agcatttctt ttttaattta caagagagac aacattgctt      180
10 tcttattgtg agaaccctt atccccata caaacaaaac aatcaaatac aaatgttact      240
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15 atcgaatgat tctatctcct taatcaaaag ccttgcttct tctgctggaa gccacaaaac      540
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gaagacagaa ctgatatgca tcatgccctt cacgctgtaa ctgtgctagc caagcaatgg      960
gatcaatgtc ggtatccgta attatcctgc tgttacgagc aagaacaacc ttgttaaggg      1020
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<211> 1062
<212> DNA
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aggacaaggc cagaaaccag aggacttgat gtcttgtttt tacttagctt ctggacttga      180
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45 tctcagctcc aagaccactt cccttgggtg aancatgagc cacagtgtta gtcctcctc      540
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ccaagcactg catcactatg tagtacagag ctctagtaag cgacagcttc cgggctaaga      660
acagaccaa agtaaccgct gggttgatgt gtccaccgga gataccagcg gtacagtaga      720
ctaaggcaaa tatcatacca ccgaaagccc aagcgattcc ttggattccg acggaagcac      780
50 acatgttcgg tgaccttttc actcccataa cagtcaagac agtgatgtag agaaagagaa      840
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gttcgaaaaa cggagctggg ggtgggttct tgtagtcctt gtcactctga gctgatgttc      960
cgattgggtg tctctccggg aacttgtag ctccaactc aacgtcttct tccttgccct      1020
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55
<210> 144

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   ttgtggttcc aatgtggcca gaaggctctc cagagagtgg atcagtgcaa gctatattag      180
   actggcagag gaggaccatg gagatgatgt acaaggatgt gattcaggct ctcagggccc      240
   agggctcttg ggaagatcca agaaactatc tgacattctt ctgtcttggg aaccgtgagg      300
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   agcttgtgat aatagactca ggtgcaatgg tcatgggtgct actatgaatc tttttgaacg      240
   attttctaga gtggtcaagt catatgcaaa tgcgctcata agctcttttg aagacccgga      300
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   tcagattgga accgatgaac tcgaggggaa gtttcaaatg cttgaaactt catctgtgga      840
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55  tccagggaga agcactgttg cagcaagcac gagataccct ttcaaagact cagagatcga      960

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5 gaatgagtta aacgaactgc gaaggaaagc taacgacttt tagatatcgg ctgtttccga 1020
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<210> 146

<211> 1062

10 <212> DNA

<213> Arabidopsis thaliana

<400> 146

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<211> 1059

35 <212> DNA

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<223> n = A,T,C or G

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	cacaataaga	cttattacag	cctagaagct	aacagtaata	agtggtagaa	acgacttcaa	180
	actcaactcc	cacataaagc	ttatccttta	ccaaataagg	ttcatttagt	ttccccagag	240
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50	agtggagcca	aaacggggat	gtgagagtca	cgagcgcttc	tcttaggggc	agttgcagag	540
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	ctgtaaccgt	cagctacggt	gttagctcct	ccaccaagag	tgttgtaagg	agttttcatg	660
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	agagctcgca	ccaaagagac	cttacgggccc	aagaacagac	cgaaagtcac	agctgggtta	780
55	atgtgaccac	cagagatacc	ggcgggtgcag	tagacgagga	cgaagatcat	accaccgaaa	840
	gcccagcgga	taccaagtaa	accaacgccg	tcacaaggac	cggtttgctt	cttgtggccg	900

5	atgacagtag	cgacggtgac	gtagaggaag	aggagtgtag	cgatgaactc	agcgatgaga	960
	gctctgtaga	aagaccagga	tttgagctca	cccagtcga	gaagaggagc	tggtggagga	1020
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10 <211> 1056

<212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

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	agctgcagca	attggagaat	ctacaagatc	tacgcataac	tgtatccgcg	gagttagtta	180
	gtttggatca	aagggttgcg	aagttaatct	cttttctggg	tattgagggg	tttcttcaaa	240
	agccattcga	tttatcattc	ctggcgagta	tggagaatct	taatgggcta	tcgctggata	300
25	atagttattt	ctcggagatt	aatataaagt	gcagagaaaag	cgagacggac	tcgtcttatt	360
	tacacattaa	tccgaaaatt	ccatgcttta	ccaacctctc	aggtctgttt	ataagtaagt	420
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30	gtatctactg	gagtcctctc	ccctttccgc	ttttgttnnc	catggatgtt	tcaaactgtc	660
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35	tatctatctt	cttgtagtgc	atctggattg	tataattgat	ttgcattctg	acacttctgg	960
	aatgtgttgt	gttgttcact	tggattatgt	ttttcatttt	ccttttgtat	tccttaaaac	1020
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<210> 151

40 <211> 1056

<212> DNA

<213> Arabidopsis thaliana

<400> 151

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	aatgctggaa	caaaaaaagt	gtcgttttaa	accctaaatt	tcctcaagac	tgaactttta	180
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	tcgtatatga	tataaccac	cagatcaaat	gctccaggct	gcaagtactg	gctgactgca	600
55	aagatgtatg	ggaatgttgc	ttgaagagac	gttgggatgg	atgcattgtt	aagtctcaac	660
	atgggttagat	tctgaaccaa	caacttatga	tcataaggaa	gatgaacgct	ggccctaatt	720

5	cccatcacac	ctactctagt	tttcccttca	tttttaagac	caacaaggag	ctcagtctct	780
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	ggaaatgagg	acaagttcat	atccaaatca	tggtcactct	cctcaaccgc	atcatcagtg	900
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	gcaacttgaa	gcagaggaga	tgcaaggaga	aggagagcga	ggaacaaaac	cctaagattc	1020
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<210> 152

<211> 1055

<212> DNA

15 <213> Arabidopsis thaliana

<400> 152

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	tttgagcttc	tgctgttcac	tgtttgcaat	tttatectcc	tcttctgaga	agggtttgaa	240
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	ccactatccg	aaattcttgc	tcaagcccat	gaaccctctt	acttagctta	ccgtatttat	360
	ctttcagatc	ctgccattac	atcaaacaaa	ccgcagcaac	tcaaccacga	cgttcgaaaa	420
25	actgggtggac	cagaaggcaa	aagactcttt	tctttagaac	attctggcac	ttcatattct	480
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	ggtgaaattt	ccaaacttga	agtactatca	gcctctctag	aagtttgagt	aaaattttca	720
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	ccaaattctt	catttctctg	agatccaggg	gaactcaa	tgccatcact	gtctctctca	960
	tcttggtctc	catgttcatc	atgtccatga	ccattgaagc	ctttgttggt	ggtagcgact	1020
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<210> 153

<211> 1055

<212> DNA

40 <213> Arabidopsis thaliana

<400> 153

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45	catagcatca	tatacttaat	tctccaaaca	gaaatcagat	atacacacat	aaaggctttt	180
	ggattctctt	atagttataa	actggatcac	atcactgaag	catcgtttta	tgcctttcag	240
	ttgtcgcctt	gcctcagtat	acgcaatatg	gtcaagaaga	gattgaggat	gtccaagtag	300
	agagctactg	atgctaggat	gtattcgtca	tatgtgaaac	gcttgatgag	gttgtcggta	360
	tcatagacta	tgtatccgca	gaataccaag	gcactgaatc	ctccgtatac	ggcaacagaa	420
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5 atcccataga ccttacgaat aaatcccat cggagctgat tctcgccgta acttagccca 900
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10 <210> 154
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<212> DNA
<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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gaaacaaaac ggaaagaaaa atgcttgaaa attcccataa tagaatcaaa gtttacactc 180
cttggggagg ccttgaggga atctcttaaa atcgggtacaa tagttgtaga tcatgaagtc 240
25 tcgttgcacc cacatcattt ttccgtactg ggcaggattg agagtcgtcc acatccacga 300
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acacgccatt tttcccgat tctctgttgt ttct 1054

40 <210> 155
<211> 1054
<212> DNA
<213> Arabidopsis thaliana

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ctcaccactg actttggcga caataactga agcatagtga gcaatgttag cctcagggga 180
ttgtttaagc cttgcaatga ccgggaacaa ctctgatgac ttcacaaact gtctgcaaat 240
50 ctggtggttc gaacacattt tagccaatga gaagagtgc atcttgagcg gtgactcact 300
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taacgtttgt aaagctccct tggagactat atcttcacag agtttggttg agtttcggac 420
aaggttgctc aatgcaccag ccgcgtttgc ttttgtcttg tcttcttcag ccgtgggtcaa 480
aacgtttgct agctgcgtta tagatcttct tagctcttca tacagcgtgt cgttatggta 540
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tcgatcaatg aggagaccga tgatttgatg ttccgcaaga gcgctgtaga aatatccatt 660

5	gtgtctgcac	atattgccaa	gagcactaca	agcttttgca	cgtatatttg	gatccacatg	720
	ggtaagatat	tctttcaaag	gctgtaaaac	agaagcctcg	ccgatgtatt	tataaaaagc	780
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	atctacagca	agacgtggac	gacccaccat	tttggcaaga	aaagcaacgg	gccttactaa	960
10	atcttttaat	tccaaatgat	ccaagcaacg	taggattaaa	ctcggcactc	ccacctccag	1020
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<210> 156

<211> 1054

15 <212> DNA

<213> Arabidopsis thaliana

<400> 156

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	actaacttga	agaataagga	attgattgga	aaatctgacc	cttatgctac	catctacatt	180
	cgctcctgtat	tcaagtataa	aacaaaggca	atcgagaaca	atctgaatcc	tgtctgggat	240
	caaacattcg	aattgattgc	agaggacaaa	gaaaccctgt	cgctcactgt	agagggtattt	300
	gataaagacg	taggtcaaga	tgagcgcctt	ggacttggtga	aacttccctt	aagcagtttg	360
25	gaagccggag	ttacaaaaga	actggagcta	aatctgttgt	cttcacttga	tactttgaaa	420
	gtaaaagata	agaaagatag	aggaagcata	actcttaagg	tacattatca	tgagttcaac	480
	aaagaggagc	aaatggctgc	gttggaagac	gagaagaaga	tcatggaaga	aaggaagaga	540
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	ttttttcccc	tttaactctc	tcgaacttga	tttctggatt	cactgcagta	attgttttct	960
35	gttgtgagcc	ttcaaattaa	aatcttgtac	aaaagtcatt	tgcttaatcg	tcccataaac	1020
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<210> 157

<211> 1053

40 <212> DNA

<213> Arabidopsis thaliana

<400> 157

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	caccctgtta	aaccgcaaaa	acatcccgtc	aaaccacctc	agccccctac	cgttaaacca	180
	cctactcaca	ccccaaagcc	tcccactgtg	aagcctccac	ctccatacat	tccatgccct	240
	cctccgccct	atactccaaa	acctccaacc	gtgaagccac	caccacctcc	ctacgtgaag	300
	ccaccaccac	ctcccactgt	gaagccacca	ccacctcctt	acgtgaagcc	accaccacc	360
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	acaccaacc	cagaggcgcc	atgtccgcca	ccaccaccaa	caccatatcc	tcctccgcct	540
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<210> 158
<211> 1051
<212> DNA
<213> Arabidopsis thaliana

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20 tgaggtagt caggcgaaaag attgaagtgc tctctogaag ttatcttcag ctgatgctgc 240
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tggagccact agaagcagag caagcagttt ctgaaaagga gatgggttca gatggcactg 780
55 aagagagaaa gtcataatc aaagaggcag caaaagaagt gccgaaagcc attaacgacc 840
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5 caaaaattga agagtatgtg caacttggct gatttcagtc caatagttaa atcttgggtga 960
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10 <211> 1050
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<223> n = A,T,C or G

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acacaatcgc agaatacaaa gtttaaaaaa tcttcattat cattggattg aatcacagac 180
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25 ttgtgtcata cttcaaaaaa catttagaaa gatagaactg agcaaaacga gcattggtac 360
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35 gggtttcacg gtttgctttg tatgagctgg tttgtgtgaa gttgtcggat aatctgtcgt 960
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<210> 161
40 <211> 1050
<212> DNA
<213> Arabidopsis thaliana

<220>
45 <221> misc_feature
<222> (1)...(1050)
<223> n = A,T,C or G

<400> 161
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5 gcttctgga agcnnnnnn nntcaaagcc tcgtttaaac tcccatcggc gtcggcnaaa 480
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 gtggcgggta ccaaggcgaa gagaaaggtc gctgcggtt ccaaggctaa gaaaacaatc 600
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<210> 162

<211> 1050

<212> DNA

20 <213> Arabidopsis thaliana

<400> 162

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 25 gttgataaag attgcggcac caaacctaaa tggagcatc aaatgaagct caccgtcgat 180
 gacgcagcgg cgctgacaa tcgtcttact cttgttttcg agatcgtggc ggatcgtccc 240
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 35 ggtccatatg gttaccgcga acaaggttat ccaccacagg gtccatacgg ttaccgcgaa 780
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 tctgacatcg ctgatatggg tgacatgggt gacatgggtg gtttcgattt ctgattgctg 960
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<210> 163

<211> 1049

<212> DNA

45 <213> Arabidopsis thaliana

<400> 163

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 50 caagtacaaa agagtgaag actattcacc agaagcctgg aaaacaatct caaactgcc 180
 accacatgaa aatggaatga attcaaagaa tgatataaat ggttaattct aatgtgggca 240
 aaccgaaaag gaaagtttta tgggttttcc aatcttcttc tttcactgag accgtctcaa 300
 atgtggggct gtggtatc cttcgaagaa atccaacact gcggtttcaa gattttcaac 360
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 55 aagaaaggat ctataagccg ggataagatg ctccgataga gatatacctga gttcttctct 480
 aagctgagta tccggaaccg accatgtcga ttgaatcctg tgaacctctt caaacattgt 540

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	caactccatt	agctccggag	agcttttgac	cttctgaact	atgtaatgga	cattgttcat	780
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	agagatatcc	atatccggat	cgtttcgatc	attggtacat	ttcaaaccct	gacatgggtt	960
	cgtcgatgatg	agatcaatca	acgtttccct	atagtcagag	atcaagttga	ggtaattcat	1020
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 <212> DNA
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	tatagacaag	aaacaacaac	acatgtgatt	atctttttga	cggatttaac	gaccaagcga	180
	tgatagatcg	atgagattga	ttgtacctca	catagactga	gcttatatgg	agattggcct	240
25	ctagatgctt	ggcctcacgt	tcagacggct	tgcaagtttc	tgtcccaagg	atcgatcagc	300
	ctgagaccag	taagagatcc	agacgccgcg	gatctcgtgg	gtgagacgtg	gctccgatag	360
	aatctccacc	catctcttaa	caaacctgtc	ttgcctgtct	ggtgcccatg	atctgtacct	420
	gtctccagcc	tgtttgaagt	tgttctcttt	cttgatgacg	cactttgttc	gaattccagt	480
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	gtggtgagca	catttgggag	cattgactgg	aagctgcaaa	taattcggtc	caaggcgatg	660
	tctctgagtg	tcaccataag	caaagatcct	acactggagc	agcttgctgt	ctgagtagta	720
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35	ccagatcttg	gtcacatcaa	gtgggtcaaa	gtcaaactta	tcctcatctg	caggatccat	900
	ggctctggatg	aaaagtttcc	actcggggta	gttgccagat	gcaatggcat	cgtggagatc	960
	cttagtggcg	tggtctgtgat	tggtcctccc	aacaaccttg	gcctcttcat	cagtcagatt	1020
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 <211> 1048
 <212> DNA
 <213> Arabidopsis thaliana

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	aaggcgtatt	tctacgtttt	tggttacaaa	tgcacaattc	cccgaaga	ttttgatgat	180
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	ccaagagaag	cagcagcgaa	ccgtctaccg	tttaacactt	gtcaaaggat	ggaacacaga	360
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	aggcgtcaca	tactgcggat	cctctgcaac	gtcaaagttg	acaatggaga	atgtaccgtg	480
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	agtggatgga	aagtgggtca	cttggtattga	ctatgaaaag	ttccacgatc	tggttgcttc	660

5	tggagaaccg	ttcacgagca	cagactatat	ggctcaaaca	ccatcgtggg	cggtttatgg	720
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	tcctaaacca	caggcggttt	tagcttaaga	aaggagtagg	ctaaagcttt	tttgtttttc	840
	attgtcgtct	tcatatccta	aaccacaggc	gatttttagct	taagacagga	ccaagctaaa	900
	gctattttgt	tagcctttaa	agcttcttct	tcttggtcta	aagctttttt	gttttttggt	960
10	gtcatctaac	agtgttaact	tgtggaaaga	tgttaaagtt	tcgaaatcat	atcaaaaactt	1020
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<210> 166

<211> 1045

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(1045)

<223> n = A,T,C or G

<400> 166

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	catccaattt	aagaaaagcc	ttatttatgc	aagaaaaccc	caacccaaaac	caaaaatgaa	180
	ttagtaaaaa	tataaagaag	atttgaaata	tattgtatca	aatgtaatat	tatatccacg	240
	cttctgtagt	tcattagttg	aatctcctgc	agttccttct	gatctcaccg	ttacgaccag	300
	taagcacatc	aactgctccc	atcttcacca	ttgctctaac	gaactgacgc	ttgaagaagg	360
30	cgttgttatt	agcataccga	gccacaatcc	cacgagtctg	tgggtcggat	gcgaggcggt	420
	ggtcaacttg	caacactcct	ctccttttac	ggatttgctt	gaagaactgg	ttgtcgaatc	480
	tcaatggact	cgactggtct	agtgccgccg	tcgcgctatt	tctgcatgtg	ttccttaggc	540
	tggtaaccaa	agcgggggtcc	atggacgggt	cgggtcgtcc	agttcnnnnn	nnnctagtga	600
	ttctgtcact	aaagagacca	caatttcctt	gaccannagt	gtgtgcaccc	aaaagagcta	660
35	ctgcatcgaa	cgtgttcata	cctttgttcg	tgaataaaact	cacggctcca	gagacggaga	720
	tcgttggaac	cggtaagggt	acatcaagat	tgtttgagac	cctaccgtca	cgccttcccg	780
	tgggatgct	gtagcttggg	cctccggcta	aggccaccga	gtcacgtgtg	gccaatgtga	840
	cgatgtcagc	acatgagact	gtggaagggc	atgcagcttc	tagctgagcc	ttgatccggt	900
	ctatcaggtc	aaattccctg	acgcttccgt	ttggtccagc	agttttctcg	gaattgggtg	960
40	aatcaatgag	gagagaagcg	tcacagccct	taacgaaaca	gtcgtggaaa	tgcatacggg	1020
	gcaaagcggc	ggtaacgggt	gggggt				1045

<210> 167

<211> 1044

45 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 167

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	caactttgtc	cacttggttcg	gagatcgaag	atgggatttt	gtagcgaaag	tttcagggtt	180

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5  gaaggtggag ggagaaacat aagaataggt ttaaacagaa caggaaagag ttgcaggtta 240
   aggtgggtta attacctgca tcctgggtctc aaacgtggta agatgactcc acaagaagag 300
   cgttttagtcc ttgagcttca cgccaaatgg ggaaacaggt ggtcaaaaat tgcccggaaa 360
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   gctcaagaga agaagcgacc tatgtctcct acttcctcat cttcaaaactg ttgctcatca 480
10 tctatgacca ctactactag tcaagacact ggaggctcca acgggaaaat gaatcaagaa 540
   tgcgaagacg ggtactactc catggatgac atatggagag agattgatca gtctggagca 600
   aacgttatta aaccggtaaa agacaactac tactcagagc aaagctgtta cttgaatttc 660
   cctcctctgg cttctccaac atgggaaagt tccttggaat ctatatggaa catggatgca 720
   gatgaaagta agatgtcttc ttttgctatt gatcagtttc ctctaagttt tgaacatggt 780
15 agtggtcgcc tttagtctag gatttgattc atttggaatg tttatatgtg cagcatatat 840
   atgttatcaa acgacgactg tagtagtttc ctatgactta catcaaaaat caccaccac 900
   tgtactaatc tcataagtag tcatcatctt atgcctttgt ttagtttgta gagtgagtga 960
   aaagatgtgt aatacaagtc agaactctat ttccaaaata aatagacttt tgaagtttct 1020
   gtgaaaaaaa aaaaaaaaaa aaaa 1044

20  <210> 168
    <211> 1043
    <212> DNA
    <213> Arabidopsis thaliana

25  <220>
    <221> misc_feature
    <222> (1)...(1043)
    <223> n = A,T,C or G

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    aagaaaagta gaaagaaaga aaaaaagaaa ctgatatggc tcactctcaat ttgaggctca 180
35  agaattaacg aacaaaactag aacaagaaca aagaagaaga agtagaaaaa aggcgggaag 240
    tggggctcgc actattcaag aaattgcaac ttgaccccaa acaatattca aatcaatcaa 300
    tttagacccc caaaaaatca gtcggataca ggatttgggg agncagatga atgagaaacc 360
    tcctcaatga gtctggtgac ttcagccatc gaaggacgac tatctnnnnn cngagccgta 420
    cagctcatat cgatcttcaa taaacgaatg atgttctcat tgccctcngg ttggtacctt 480
40  gtgagctcgg gatcaagcac atcggacggt gtttgttgct cggtaacaga ttggacccat 540
    ctccggcaaat ctacgccttc ttcattcaac tgctgatgag ttggagactt acctgtgagt 600
    aattcaagga ttaggacgcc aaagctatag acatcagctt tttgggatat tttgcgagca 660
    tcagtgattt caggggcacg gtagccatca atacggttag gtgcagatgt agaactaatg 720
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45  gaggacttaa tgtttccatg agaagttgtc ccatcacgag aatgtaggta gctaatacgt 840
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55  <220>

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5 <221> misc_feature
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 <223> n = A,T,C or G

<400> 169

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	cacctttttc	tgatatttac	aacttatcaa	tacatgatgt	ttttcaaatt	ttctaattcc	180
	gccgcagagt	aaaaataaat	atcagcagca	accctctat	ttattcagag	tagtcctctg	240
	ttttcagatg	cactcattct	tcattttttg	aggtctttcc	attttcttca	tttggttggt	300
15	acaaaataac	tcaaacctac	gttggttcac	gatgtcagag	tgcccaactt	gagctcaagg	360
	ctctaagccg	ttgaaaatac	tcaccaagag	ctaataatcc	tcgagccgct	tgtcgcgttg	420
	tcaatatccg	atacatttgt	tgcaatgttt	catgtctcaa	gtgatcagcc	tgatttacga	480
	aactgaccaa	agcttcta	ctatccatag	cagaattcac	ctgaggaatg	taanttnntt	540
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25	ttagttcaca	tatctgtctg	ttctgttctt	caaccaatg	tccatattcc	atttcaaagt	960
	cagcaatccc	tggattcatg	gtttccgaaa	aaccgagaga	attagtatct	attccgtttc	1020
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<210> 170

30 <211> 1042
 <212> DNA
 <213> Arabidopsis thaliana

<220>

35 <221> misc_feature
 <222> (1)...(1042)
 <223> n = A,T,C or G

<400> 170

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	agcctatcca	agaaagtata	taaacctcct	ccaagtagaa	gagcaccact	tatgggattg	180
	atccatgcag	agacctttcg	caacgaaagt	aagctctgta	aagctccggc	aaaagaagca	240
	gcgacgataa	gtggagcgac	gtaacctgtt	gtatagggtta	agagtaagct	tccaccaatt	300
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	ggtgaggcag	caagtgcgaa	tgtgagaccg	gctagatatg	cttgtagact	agatgggaag	420
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	atctcaagga	gattgagacc	cattacaata	gccagaccgg	atgcagctac	tggtaatcct	540
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10 <212> DNA

<213> Arabidopsis thaliana

<220>

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15 <222> (1)...(1042)

<223> n = A,T,C or G

<400> 171

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	aaggagatca	ataagcgggt	ccaggaagct	gtagaccgcc	cagaaattag	agaaaagggtc	180
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atacacaact gctcaggaag caaggcagct gcttccttca atcgttgagc ttttaaagat 180
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50 <220>
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55 <400> 186

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5 <213> Arabidopsis thaliana

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	ctgggtgatg	gaggaaaact	gctgctgaag	ataccatgct	cgcttacaaa	gcagctcagg	540
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<210> 189

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30 <213> Arabidopsis thaliana

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35 <223> n = A,T,C or G

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 20 atatttgggg ccttacggtt ccatggaagg atcttcttca gagcactatg tgtggacatt 600
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 <223> n = A,T,C or G

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10 <212> DNA

<213> Arabidopsis thaliana

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	tttacttata	ctttctctct	atatatttat	cacttttacg	gcctatgtgc	gtccgaaact	300
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35 <212> DNA

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<220>

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40 <222> (1)...(1029)

<223> n = A,T,C or G

<400> 193

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<211> 1019

45 <212> DNA

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40 <213> Arabidopsis thaliana

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10 <211> 1011

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

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<223> n = A,T,C or G

<400> 221

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   cagttaaagt cacacacgat tgatgaaatt agagaggctg tgagaaggga caataagcaa      420
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   cgtatgaata gaatgcatgt tcacttctct tgtggattac caacagatgg tgaagtgatt      660
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<211> 1006

25 <212> DNA

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<400> 227

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 50 ttttgtcatt ttatgagtta gtctctgtta aaagggttct gagacagttg agtttcagtt 900
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 55 <211> 1002
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5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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10 <223> n = A,T,C or G

<400> 232

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15 caaaaaatgt	cattttattca	taatgaaaac	tctctcctac	tctgtaacct	agatctttca	180
ctcaattttct	cttaatctcc	tgtacaggta	gcactatcct	attacattaa	tccaagcta	240
ggagtctggg	tcacccgttc	ttgttgcttc	atccttcacc	atgggtccgg	taatgtcctt	300
ctcaagcatt	gccttttgct	gccccacggg	cgcttcgacg	tttctttcag	ctcattcttc	360
tgcattttcca	ccatttcagc	ctgttttttc	tgcagttcct	gattcgtttt	cttgagcttt	420
20 tcaattttcgg	ctttccagttc	caatgtataa	gcctgctttc	gagctcttga	tctagcagct	480
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25 acaggcgccag	aaaatgctac	gtttgcttgt	ttaggaaaaa	tggtttgagg	cagccgctgc	780
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aagatcatag	aatcattagt	accattnnnn	nnnntgctgt	tttgatttgg	ctgaccaaat	960
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<210> 233

<211> 1001

<212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

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45 aaacccatt	gctatacttc	gttccaacac	gagaattgat	ctcagataca	taccgattag	240
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10 <212> DNA

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15 <222> (1)...(1001)

<223> n = A,T,C or G

<400> 234

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	gccgcggtaa	cgactcctga	agaagatatg	cctttgcttc	ccgatgactc	ggagacttgc	180
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	aacnnnnnct	tgaacantct	ctataagcta	aatccgaaga	aaacttcagg	gacaagaaac	480
	ccatcaaagg	aagaccnaaa	cagaacagca	aagatgcaca	acaaagactg	tgctcctcatg	540
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	ctccgagccg	tcattgctgaa	ccacgatggc	gtgccacgtt	catgtgctct	cggcagcgac	660
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	tcgtggtgac	gtggcacacc	atggttggat	ttgattgtga	cgtggagcac	gtggcattac	840
	gtggttggtt	gagagaagtg	aaattcagat	agagagaaag	agagagggct	ttggttctgt	900
	ctttgtaaat	tagttttttg	gtgtcgttgt	tgttttagta	gccatgttct	ttaacatttt	960
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<210> 235

<211> 999

<212> DNA

40 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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45 <223> n = A,T,C or G

<400> 235

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50	atcattactt	gcatttattc	tgactaacg	gtactaatcg	aattggttct	gtttctttac	180
	ttccacacca	tttgttttct	ttaacaattt	tatacattac	atatccataa	atggaaaaca	240
	aaaaaatatc	ttcacttcac	atgcctccaa	tgaatcctct	cttcatctct	tagcataact	300
	aattcaatca	ttgtcatcta	caaagtcaca	cagagagaat	tgttaaatcg	taaagccaca	360
	attataaaca	taagtgtaaa	gagcaaaacc	ggtggtataa	accggacaat	agatttgctt	420
55	cacaaacccc	aacaaaacaa	aattagggtca	ctgagatttg	actgttacct	ttaaggaatt	480
	tcaatctcat	catcgaagcc	tatccacaat	aaaaccaatc	gtcgaatcaa	atcttaatta	540

5 gattgctgta acgatcaata aatctagaac taatcacatc aacaatctct aacatttttaa 600
aacctagatc ttaaattcaa gagtcctcat actcctacat ctacaaatcc taaaatttcg 660
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gcaaacaaaa ggagactaaa gaacattcaa atataaaaag ggataaaaat cagatatata 780
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10 caaaaataaa aagcataaga aaacgaatat aaagaaggag aagcgtagaa atcttccaga 900
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<210> 236
15 <211> 999
<212> DNA
<213> Arabidopsis thaliana

<400> 236
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gaagctttga cagatctacc aaacttaaga aaggccacga acttttccag tttcagtgtc 180
aatatcaatc tcgtagaaac aaggtcttgt aggaagtcca ggcattgtac tcattgtacc 240
aaccagtggg tatatgaaac cagctccaat gcttcctctt acatccctaa ttggcaatac 300
25 aaaccctgaa ggtgctcctt tctttgatgc atcatgtgag aatgagtact gtgttttcga 360
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tttttcaacc gcgataccaa gateccaccg tcctttacca ctatgagcat ggtgggagca 600
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gtttgagatg tgctttgcca gattcacaca gccagcttca actaaggaaa cattctcgct 780
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<210> 237
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40 <212> DNA
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<220>
<221> misc_feature
45 <222> (1)...(999)
<223> n = A,T,C or G

<400> 237
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gatgaaatgt gttttttttc tttcttttta atagttcaca agcaacacat gcatctatga 180
gaagatcaat atacaaatta caactttttt ttgtataatc tcgtctcttt caatttaaat 240
tgtgaaatct ttctttaaca agcagagcca gcttctacca gcttgcttaa tttgtgtgtc 300
cttaatcttt ctctgtaaac ttcacttccg tgcattctcat tctcatacct cggtaggcata 360
55 ggaatcaaag gagacaaact ctccactagc ttgagagctt cttcttctgt gttgacgatt 420
tggttgaagc agaagtatcg accgcaagct gaaacatcct cgaatgctct aatatgaacg 480

5	tccgctagaa	acttaacgtc	tacataagct	aacacacccat	tctcatacat	ttgtgcagct	540
	cctttaaggt	atgacatggg	gggcctagcg	ttgtgttggtg	cgacagatgg	tccgacgaca	600
	agaccagggg	tgatagagac	catgttgagc	ctacgggtcca	tggctaatagc	ccaagctgct	660
	ttctccgaca	acatctttgc	cagtgcacgc	cacaacttct	tgctgcgaca	gaagtcttgg	720
	tcactccaac	acttctcatc	aacatccttt	tgagttccaa	tggtgtctct	ccaaattgaa	780
10	gctgttaatg	aagaagaaaa	cacaatcttc	tctatactct	ctgttcttcc	acacgcttcc	840
	accacattga	tcgctcctct	cacttccaaa	tccacctcct	tctcccttca	gggctgtcta	900
	agcaacagaa	gacaacgtta	catgtcttga	gagagacaag	tatgctttga	taatccaaca	960
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 <211> 998
 <212> DNA
 <213> Arabidopsis thaliana

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	ttcgtgagat	taactttcct	tctatggaag	tttctgaaca	gccttctgag	agttcttctc	180
	aggacagtac	taaaactgat	ggcaagatag	ctgtgtcagc	ttctcctgct	gttcctagga	240
25	agaagcctgt	tggtgttagg	caaaggaaat	gggggaaatg	ggctgctgag	attagagatc	300
	ctattaagaa	aactaggact	tggttgggta	cttttgatac	tcttgaagaa	gctgctaaag	360
	cttatgatgc	taagaagctt	gagtttgatg	ctattgttgc	tggaaatgtg	tccactacta	420
	aacgtgatgt	ttcttcatct	gagactagcc	aatgctctcg	ttcttcacct	gttgttcctg	480
	ttgagcaaga	tgacacttct	gcacagctc	tcacttgtgt	caacaaccct	gatgacgtct	540
30	cgaccgttgc	tccaactgct	ccaactccaa	atgttctctg	tggtggaaac	aaggaaacgt	600
	tgttcgattt	cgactttact	aatctacaga	tccttgattt	tggtttcttg	gcagaggagc	660
	aacaagacct	agacttcgat	tgtttctctg	cggatgatca	gtttgatgat	ttcggcttgc	720
	ttgatgacat	tcaaggattc	gaagataacg	gtccaagtgc	gttaccagat	ttcgactttg	780
	cggatgttga	agatcttcag	ctagctgact	ctagtctcgg	tttcttctga	caacttgctc	840
35	ctatcaacat	ctcttgccca	ttaaaaagtt	ttgcagcttc	ataggatctt	gcttagtaat	900
	gttaagttag	aagagtgttt	tggttttctg	tttatgcttt	agtaatttaa	gacatacaaa	960
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40 <210> 239
 <211> 997
 <212> DNA
 <213> Arabidopsis thaliana

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	atacataagt	cgaaagacca	tgtcagaatc	gggcacatcc	ggttcttatt	ccgcttcac	180
	agtgtgattt	ctggatacca	atgaggcggg	cataatccac	ccataataag	gaaccaaga	240
	atgtgttgcc	tggttctaact	gcaaagcaca	acgcactgag	tgcaagtttg	tggtgtgtga	300
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	tagaaactgc	catgtagaca	ccatatgcaa	cacttgtgga	gactatcgga	acagtttcga	420
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5	ccacatcggc	aaagacaact	tcaagttcat	tgaagaagtt	ttctctacgc	cgttcatact	780
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	gatcatcagc	caacaatctt	tccctaaacc	caccaaactg	catcagccac	cgcatacacag	900
	ccgatttctg	aagctccagg	aaccgagtga	taaccgatcc	aggaatccga	cccgcctcaa	960
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10

<210> 240

<211> 997

<212> DNA

<213> Arabidopsis thaliana

15

<400> 240

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	attcaattgg	gtaacgagtt	ggtggagaga	aggattgatt	tgggtatacgg	aggtggtagc	180
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	gtcatttccaa	aaaccttgat	gccaaagagag	ataaccggtg	agaccatcgg	agaagttaaa	300
	gccgtggccg	atatgcatca	aaggaaagct	gaaatggctc	gccaagccga	cgcattcatt	360
	gcccttctctg	gtgggtatgg	tacgttagaa	gaattgctgg	aagtcattac	atgggctcaa	420
	ctcggtatcc	accgtaagcc	ggtgggtctt	cttaacgtgg	atggttacta	caactcgtctg	480
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	acttgtcttt	gtacattttg	gtttaatgga	aaaaaaggat	agggctattt	tcaagaaatg	960
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35

<210> 241

<211> 996

<212> DNA

<213> Arabidopsis thaliana

40

<400> 241

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	atccagaacc	gatatagggg	ttcaataaca	aaaacgaaca	cacatgaacg	aaacaataaa	180
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	tcttcctcct	cgtactcttc	ctctccggct	gtagcatctt	ggtactgctg	gtactctgcg	360
	acaagatcat	tcatgttact	ctctgcttca	gtgaactcca	tctcgtccat	gccttctcct	420
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	gatgagttct	tgttctgaat	gttcatcatc	tgctcgtcaa	cctctttggg	gtcagccttt	660
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<210> 242

<211> 995

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 242

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	tatgtatata	tatatgatcg	cacaagggca	aaacgaacat	aaccaatacg	acaaaactaa	180
	gtggaaatgt	ggagacccaa	cacttaaagt	gtgtgnggaa	gaaacaaaat	agatgtatgc	240
	taattatgta	gtagactaac	caaacaaagc	gccacacctt	caaactttca	agccagggga	300
	tagtaatgat	gctagtcca	gcgatcatca	aacacaactt	ccttatcaca	tattgggcat	360
25	ctatcgcttc	tttcaatcca	ctccagaaga	caagagaggt	gaaattcgtg	ctcacacttt	420
	gtcggttagtc	ttggattctc	aacatcataa	tcttcaaagc	aaataggaca	acattcctcc	480
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<211> 995

<212> DNA

40 <213> Arabidopsis thaliana

<400> 243

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5	ccagcttcct	gggcagcaat	accacgctca	aaactctgaa	ctgcatagtc	atcttgctgc	900
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	aaatcagga acttgcccgg tgttttgta ttctctgtaa tagagattct catgatgggt	360
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 20 tccatagaca tcatattgac atgggtcacgt gggattcatc gattatgagt ttcactcatc 240
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 25 tgttaacgga ggaatcagag aacgtggacg aagaacacgt cagattaacg ttaccatcaa 540
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 cactagtgtg cagattaaca ttttgtttct cccggagggtt ttctgatttg tcgggtaccgg 900
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 <212> DNA
 <213> Arabidopsis thaliana

40

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 ccatcacatt gtgaaaatgg tgggcagggt tgccngttcg aaggcttaat ctcatatgat 360
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 55 gcagtgaaga cgtatgagtt gttagacaga agcagaggag catccaacga gtccttcctc 480
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<223> n = A,T,C or G

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	gttctattca	tcagaatcgg	ataactcgag	gggacaagag	ccatcatcaa	catttagcata	180
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	atctcctcct	tcgaccgtca	agttggcgat	catcgtgcaa	cgagttggaa	caacggtcga	300
	gtcaggaaat	attgctcttt	cgcaggctcc	atcttggttc	aactcggttc	ctagaccctc	360
	attgaagaac	tcaatagggt	tgttttgcca	tcgcttgagg	acttgaaact	gaagtctgta	420
	tggaccgtcc	caatcgacac	catttagtgaa	tgagaatatc	aaattcacag	catgcttagg	480
35	aatgcaaadc	tgcatagtgt	atatacgaga	atcggttttg	cctcgatctt	tcttaagcat	540
	tgtctctggc	tccccaccac	acatgattgg	ttgggttaaat	cctccgttga	aagcaacccc	600
	atagtctctg	ttaagagtga	gtttgcttgc	agctggatta	tagaaaagtt	tcaacttttc	660
	acctgaggtt	ggtggaagac	cattcatggt	tttccagtac	acaggagcag	tacccatctc	720
	gaacatggcc	cttgaaggaa	gcttgatatc	atcaaaataa	tcaatcatga	actatgttta	780
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	ctctttgatc	tcttcgagag	gtgcaagagt	cgtggcaaca	gctttaactt	ggagatcaag	900
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	<212> DNA						
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	aacgggtggat	acataaagta	aactgtaatc	caaccgtaat	tattttggat	tctagaaaaa	180
	aagagattat	taaaaagggt	agataaaaaa	gagagattcg	aagttttgtt	ttctttcact	240
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	tgctctcaag	tccaggcgcg	tattcactcg	tgggggttaag	cttgacgagc	tcttgtgctg	360

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	cagtctggag	gacgaggttc	ttggtttcat	caaagttggc	tctgagtttc	tctccaaaag	600
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	cgaaacctaa	ccatacagga	agatggaatc	ttgtttgcgt	ccaagcaaag	atccatggga	840
	ttgcacggag	agattcgatc	ccaccgcttg	gttttcgctt	tgaagggtcta	cttccaatat	900
	tcatacgtcc	atactccagc	tccggagtag	cgaggcggaa	atactcgacg	aatcgagggt	960
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<211> 989

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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25 <223> n = A,T,C or G

<400> 258

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30	gcactaagg	gacaaaacga	gatataatac	ttactccctt	tcagcttcca	tgggcacacc	180
	acactctgca	agttttgatg	attggttggg	ttgattcagg	aggaagtaca	ttgtcgtcgc	240
	tggtttgggt	ctcaggggat	ctcctctctg	gtaagtcgca	ctggtttggt	ttgtagatac	300
	acaatctctc	tgtctgctac	atztatgaga	tgctgctctg	atccttcttc	atctgacaca	360
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35	ctaacagctg	taagctgaat	gctttctggc	agaagacaat	tacagaagga	acctactcgg	480
	gccagccgat	taatccatcc	tggaaataggc	tttcttggtta	gctgcaagca	tacttcttca	540
	gtgaaatggg	tacagttctt	ggcaatcaaa	tggtaagtgt	caccatggta	ctttcttgaa	600
	agctttctcca	tgtatgagcg	gaaatctgaa	cgggacatgc	tggtagtcc	cagtaaaacc	660
	gaccgtctaa	agatgaaccc	tggacagttc	ctaggttcca	cctcatatac	cccacttggt	720
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	atgccaatcc	caaaccaata	aaggtaattg	ttgacaggcg	ttagatcata	gacattgaga	840
	taaaccggcg	taagcgcggc	ttctccactg	ctctcatccc	tctcatcact	tgaacatgag	900
	cttgagctca	atgtaggcac	ccacatttnn	ncacaatatc	ccaattcaaa	gtcacgatcg	960
	aaccattcct	ttcttctctaa	acctctgca				989

<210> 259

<211> 989

<212> DNA

<213> Arabidopsis thaliana

50

<400> 259

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	ggaggcaact	ggaaatgtaa	cggaactgct	gaggaggtga	agaagattgt	gaacactctt	180
55	aatgaagctc	aggttccttc	acaggatggt	gtagaggttg	tggttagccc	tccatatggt	240
	tttcttcccc	tggttaagag	cacattgagg	tctgactttt	ttgttgccggc	acaaaactgt	300

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	gagttcgtcg	gagacaaggt	tgcttatgca	cttgctcaag	gtttgaaagt	gattgcttgt	480
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15	ccagtcgcaa	ctctgaaaaa	atgaataagt	tggtattatg	atatgatata	ttttgcttca	960
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<210> 260

<211> 988

20 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

25 <222> (1)...(988)

<223> n = A,T,C or G

<400> 260

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	tgttgttccc	aagaagatac	tctggacgag	aaagcagcac	acgtcttcgt	tttagattca	180
	ggacctttat	tgagacttac	gttcccacca	ttccatgaac	ttaacttggg	ctgccattgt	240
	gtccaacttg	tagagttgca	gtgtgtggtt	ggcgacctct	tgcccaaagg	tccaacaaaa	300
	aacacctcct	cctaagaagg	acaatgcagc	accatgtgga	ctccnggagt	atttccaggc	360
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	cctagccgtt	ttcagcnna	tannatgacc	acaaatacac	nntgagtacc	aaacgtaaga	480
	tcttcagtaa	gaataccaaa	taccaaacca	acagttcagt	ttttgttagg	ttttttatgc	540
	cacccgacga	cgatgcagt	ggcttagtcc	tcttgatctc	gtgcttccaa	ggactaaagc	600
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	ccgagtcata	gataatggac	caacaatatc	tatagattcc	aaaacacaga	gcgagagaaa	780
	gatagaagga	aattacggtg	ggtccatgaa	cgggatcgga	ggcaatgaat	tcctcgacgt	840
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	aaaatgataa	cctatcactc	cagaaatcct	tcaatccatt	ccaatttttc	ccaacaaatg	960
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<210> 261

<211> 987

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(987)

55 <223> n = A,T,C or G

5 <400> 261
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 attgtatttt tcatgagaca actcacttct ttttatgtgc ttgagggag actgacttag 180
 tttcttagcc atagcatcgg attggatcct tgcaaccttt ctcagctgat tgtcttaaac 240
 10 ccatgcgacc cccttttgcc aggtattgct ggtggtaatt ttctgctctg tagaatttcg 300
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 cttcacgagc tatgctctct tgctcgtctg tgtagtagta tatacctgat cgatactgcg 420
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<210> 262

25 <211> 986

<212> DNA

<213> Arabidopsis thaliana

<220>

30 <221> misc_feature

<222> (1)...(986)

<223> n = A,T,C or G

<400> 262

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 ggtaggggag atttgagtag tagtagattg ttagatttgt aattcagcta ttgggtgaaga 180
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<210> 263

<211> 986

55 <212> DNA

<213> Arabidopsis thaliana

5

<220>
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 <222> (1)...(986)
 <223> n = A,T,C or G

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 15 aataagtggg gattattctt gaagaggtcc ggtttagtat tcagaggact cggagctgag 240
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 cgtgcatcga gttactgagc ataccatctg cgctgctgtt aggaacccat ctgcacttca 480
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30

<210> 264
 <211> 986
 <212> DNA
 <213> Arabidopsis thaliana

35

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<210> 265
 <211> 985
 <212> DNA

5 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(985)

10 <223> n = A,T,C or G

<400> 265

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30

<210> 266

<211> 984

<212> DNA

<213> Arabidopsis thaliana

35

<220>

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<222> (1)...(984)

<223> n = A,T,C or G

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<400> 266

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	tggctttcca	aaggaacact	gatgatcctt	cttaggtcga	acatcctgta	actgagatga	180
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	gaactggctc	taacctcata	tcactcgggtg	taagatatca	accagatgga	agctatctca	900

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<210> 267

<211> 983

10 <212> DNA

<213> Arabidopsis thaliana

<400> 267

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	aacatgaaca	tgtcaaagtt	tttctgctca	actaacccaa	aactcacaac	acagaatgat	180
	ctagcaacca	aacaatacat	tgcaagaacc	tgagctctgc	tccttctgat	gcaatctcga	240
	cactgttcct	tgtttaacaa	aaatgggatg	tggaagctc	tcactcttgt	ttcttcagcg	300
	cagggtcagt	atttgtgact	cctgatgtca	atttcttaac	actgtcttta	gcctctgcaa	360
20	caaacgaagc	gtctggcttg	tgtttatccg	caggttcttt	cagggccaga	cagatgtaaa	420
	acacaataac	tacattgact	gataccacgg	caagaaatcc	actcagtagt	gtcagagaat	480
	gtggagacaa	cgttggtgac	cctgtcgaga	tttaacagag	caaaacggtc	aatttctaca	540
	gcatttactg	ttagaaacta	aagctgggaa	actacaacag	acaagctacg	tgagcctgag	600
	agagaaagag	agacattatg	ccaaaagtac	agtaaccgac	taacaggcta	tcacatgtgt	660
25	agatgatcaa	acttcattac	atgaactacg	cgtcaaagac	taaactgcct	ttgttacaag	720
	aagtaagggt	acaaccatag	aataacctct	tgtagcattc	cagctccaac	tagtttctat	780
	gatacctaca	aactaagttc	taatcaaaga	agtttgtagt	ttctaaaaag	ttacaatcag	840
	aatttctcta	atctgccatc	agatcccaac	aaccagctat	tctactaaac	caagttccac	900
	taaaacttca	actacagagt	ttacacgatt	aagcaaaact	caaagttaga	accatcaata	960
30	caattagagc	aatgacacag	acg				983

<210> 268

<211> 982

<212> DNA

35 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(982)

40 <223> n = A,T,C or G

<400> 268

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45	aaaatacgaa	agaaaagcca	cccacaatct	taaacaaacg	gtgagaaaca	ctaatacaagt	180
	tcaacagtct	ctccatcaaa	cagactccaa	agttgctcaa	cgtcaaacgc	caaagtggcc	240
	ccatgttcag	ctgtcgtcgc	ttcaggaaca	atcgcatcag	cttcttggtt	ttccccagct	300
	aaattctcca	accacatatt	atctccattc	attagattat	tcacaaaatc	atctttctca	360
	tcatctttgt	tacatgtgat	actattttca	caaacattat	ttttcttgag	tccaaggcat	420
50	gaaggaatta	aatcaacttc	tggcagacca	ttgagatggc	tgcaaccatt	gttaacagag	480
	aaggatcgag	gtcgaggctt	aaaaacaccg	nntttttgga	ccggtgttgt	aggaggggaa	540
	ataatgtttt	tctttttcat	tttagactta	caacacgaag	actcatgttt	tttactcaga	600
	tggtgtttcc	agtaattttt	gacatcatta	gcggtccgac	caggcaatcg	accagcaatc	660
	aaggaccacc	tatttcctag	aagcttatga	aggcgaagaa	gaagatcaac	ttcatcattg	720
55	ctaagtcttc	ctctcttgat	acttggtctc	aaatagtcca	accatcttag	tctacaactc	780
	tttctgcata	gatttagccc	agctctcaaa	ggaacttgat	gccatttgcc	ttctccatac	840

5	ttatcaatac atagcctcaa gagactatct tcttcagcag tccatgcacc tttcctcaac	900
	cctttggacg aacctccat ggaccaaaga aaaattaata taaaagtatt ttatcggatt	960
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<210> 269

10 <211> 982

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1)...(982)

<223> n = A,T,C or G

<400> 269

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	actggtggaa tctctttcaa cactacagca cccttgactc acattgatga gaagctctgt	180
	tatcaaatcc tgcataaata caagattcac aatgctgagg tgctatttcg tgagaatgcc	240
	acagtggatg actttattga tgtcattgaa ggcaaccgca agtatattaa gtgtgtttat	300
25	gtctacaaca aaatagatgt tgttgggaatt gatgatgtgg atagactatc ccggcagcca	360
	aattccattg ttattagctg caatcttaag cttaacttag acagactact tgctaggatg	420
	tgggacgaaa tgggccttgt gagagtttac tgaagccgc aaggccagca accagatttc	480
	gatgagcctt ttgtcctctc atctgatcga ggtggctgca cagtggaaga cttctgtaac	540
	cacgtccaca ggactctggt gaaggatatg aagtatgcac tcgtttgggg cacaagcaca	600
30	aggcacaatc cacagaattg tggctttct caacatcttg aannccaaga tgttggttcag	660
	atcgtcaaga aaaaggagag agacgaagga ggaagaggcc ggttcaagtc acactcaaac	720
	gcccctgcta gaattgcaga cagagagaaa aaagctcctc ttaagcaata agcttttagc	780
	tgataagtca tctccataca tccatctcca ccatcatagt cgtggatggg ttcacctgag	840
	taagatttac tatgttgat ctgaatccgt tttgtgtgtn nctctcaca tataagtttt	900
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<210> 270

<211> 982

40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(982)

<223> n = A,T,C or G

<400> 270

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	cgattctcag ctcaatctta tcttttctt tgttgtgctg cttttcactc tcttctgcgc	180
	gacgaatttg gccttgttt ttgtttgtt gtcgtatccg acgcggagggt attgagaaac	240
	cgtggcttaa gacggaggaa gaagatggaa gctaaccgga ttgagaactt gacgaatccg	300
	aatcaggaaa gagagtttat aaggagacat cctaagcatg agcttggtgga taatcagtgt	360
55	agctctacgc ttgttaacaa tatcaacgct cctgttcata ttgtgtggtc acttggtgaga	420
	agatttgatc agccacagaa gtataagccg tttatcagta gatgtgtggt gaaaggaaac	480

5	atggagattg	gtacagtaag	agaagttgat	gtgaaatctg	gactaccagc	aactagaagc	540
	actgagagat	tggagttact	tgatgacaat	gagcatatct	tcagtatcag	aatcgttggt	600
	ggtgatcata	gacttaagaa	ctattcttca	atcatctctc	ttcaccccca	gactatagaa	660
	ggaagaatag	gaacacttgt	gattgagtca	tttgtggttg	atgtaccaga	annnnacaca	720
	aaggatgaga	cttggttactt	tgttgannnn	nnnancanat	gcaatcttaa	atcttttagct	780
10	gatatctctg	aacgtcttgc	ggttcaagac	acgacagaat	cgagagtcta	aagatcaaag	840
	gagtaagaaa	ctattgaatc	agagagattt	tggttgccat	ggatgaagct	ctcaaagggg	900
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15 <210> 271
 <211> 981
 <212> DNA
 <213> Arabidopsis thaliana

20 <220>
 <221> misc_feature
 <222> (1)...(981)
 <223> n = A,T,C or G

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	atagatgtgt	ctctctcttg	tagtaaggaa	aagaatggat	tctaaccaga	ggagatgatt	180
	tgcttgagga	gtctttgatc	atgacaatgc	ttttttaacc	tctgatgtaa	cttcttgggg	240
30	agccttctcg	gcctggatgt	ttgtgagaac	ggccttcttt	gcgtagtaat	caatcaccgg	300
	ttgagtttga	ctgtggaaag	ctgcaagcct	cgacttttaga	acatcagcgt	tatcatcttt	360
	acgttggatc	agaggctctc	cagtaatatc	atcaactcca	gggttttttg	gaggagcaaa	420
	tttagtggtg	taactcctgc	cactcgatgg	gtggatccat	cgcccggtta	ttctttcctc	480
	caagattgcg	tcataaatag	caaagttgag	aactttgtca	atttcagttc	ctcgctcttt	540
35	aagcatctca	tcgagcttct	ctgcctgagt	aacagtcctg	gggaacctat	caaggataaa	600
	tcctttttga	catttttggt	tgttcatggc	ttcatcaatt	ataccaacaa	ccaaatcatc	660
	agagacgagc	tctccttttt	ccatagcttc	tttagccttg	acaccaagag	gggtctttaga	720
	agcaacagca	gctcttaaca	tgtctcnagt	ggataagtga	cannngnnnt	actcatcctt	780
	nactnnnnng	gattgagtac	ctttccctga	ccctggaggt	ccaatgaaga	tgaggcggtt	840
40	gtcgggcttc	tgagaacact	tgaggcggtg	gaggagctcc	gacatgagat	ccaccgtctg	900
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45 <210> 272
 <211> 981
 <212> DNA
 <213> Arabidopsis thaliana

50	<400> 272						
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	aaagaacctt	cataaacact	ccaaaagctt	cattatctac	acctattcat	attatcgtaa	180
	tagtccatag	aaatcttcca	aattaaagtt	ttaataataa	aaaaattaca	caaaccgatt	240
	ttttgttttt	aatccatgat	caagcttcaa	atcctatgtg	tttgaagctg	taacagcctt	300
55	gaataagctc	cctctgggtc	gctaacgagc	tctgaatggc	tgcttgctc	cacaatccgc	360
	ccgtcttgaa	tcacaccaat	gcaatcaaca	cctcttatgg	tggacaagcg	gtgagcaact	420

5 accacggtgg tccgacctct catgagcctc tctaacgcct cttgcagcac gcattctgat 480
tctgcatcta gtgcgctagt tgcttcgtct agaagcaaca ctgtagggtt cttgagcaca 540
gctcttgcta tcgcgatcct ctgtttctgt ccacctgata actgcactcc tctttcgcct 600
actggagttt tgtaaccttc aggtaaacca ctgatgaaac cgtgagcatt tgcggctcga 660
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10 atcgttgctg cgaagagagc tgggtcttctg tgaacaagac cgattttgag ccttagagat 780
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15
<210> 273
<211> 981
<212> DNA
<213> Arabidopsis thaliana

20
<220>
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<222> (1)...(981)
<223> n = A,T,C or G

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cgaataacca aagttattat catactgagt catgaactcg tcgttgaact tcttgaagct 180
30 atccatgata tccggcatct catcttctgc tggcaggatt gttgtcctca gatggaacac 240
accttctttc tgtccaaatc cagagccagg tactgtggag attcctgtgg cttctaagag 300
cttgagacag tagaaaacgt ctggcacttt tccagcttgt tttgcagctt ggagagctcc 360
cgttggttaac cgtatttgag gaaacgaata cattgcacct tctgtgaaat tgcacacgac 420
gtttttgcag ctggtgaatc catctgtcat gagccttgcct cttcttctca aagattcaag 480
35 aatccccttg ctttcacggg cgaactgggc atatgaaatg tctccagggt ttggaggatt 540
aaccatcaaa ccataaaga tttgcgaga gacattaggg ctgagggcaa ttgatgcaac 600
cttgatatc tcctcaacaa cccttgagg gaggttggtc atctcaaagt atccacctcg 660
ctgtccacat tcaccccaat atcctttaga gactgtgtga aaagatacaa gctgaacttc 720
cttgctgaac ggcgaaacca tttccatcaa aacctnnnn nagctgataa agggacgctc 780
40 atcctggtat atgttctgct gataaacctc gtctcccaga agaaccagtt tctcgttata 840
acagaacttc aatatctctc ttatgttagc ttcgcttaga cactggccag ttgggttccc 900
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ttgtcgaagg ttagcaacat c 981

45
<210> 274
<211> 980
<212> DNA
<213> Arabidopsis thaliana

50
<220>
<221> misc_feature
<222> (1)...(980)
<223> n = A,T,C or G

55
<400> 274

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	gaatgtcttg	tatcaatttt	acaatgtgtg	ttatatgagg	tcgatcttga	ggttttaagg	120
	caacacaagc	caaacctatt	tgcaacatct	caaccaactc	ttcttctata	cccatttgca	180
	tcattagctc	attatcgaat	acttctcctg	tccactcttt	cgacaccact	gaccttatcc	240
	agctcgccaa	gtccatgttt	tcgtctagt	atagcggact	cgcggtgat	ttccctgtta	300
10	gaagctcgag	taacaccacc	ccgaagctgt	atacatcaga	gaactgtgtg	gactttcttg	360
	tatctgttat	ctcaggtgcg	tggtaacccg	aagaacgtaa	ggtagtctgc	gggagagatt	420
	tcgtgatgtg	tgttaagccg	agatcgacga	tgcagccgta	gcatttcgag	ttcgtgaaga	480
	tattggagga	tttgatgtta	ccgtggacaa	acttcccgtc	gtctgcttcg	tggattatag	540
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15	ggctctctcc	gtgcagcatc	tcaaataagg	ttccttgact	gtaataactg	tannnnnnga	660
	gcttatcgat	ctnggaatag	tagtaggctt	taagctcggc	tacattatca	tgcttgattc	720
	taccaacgat	ctccatttgt	tgctcaaaact	ctcttctccc	aacaaccacc	tcctccaatc	780
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	ctttcccca	aatttctgca	gatgcagcta	acaaatcatc	caaataaaag	gtatagttac	900
20	ttcctccaaa	gaaaacgatt	ttcccttcat	cattgtcatc	ttctggtgcc	cagtttcttg	960
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<210> 275

<211> 979

25 <212> DNA

<213> Arabidopsis thaliana

<400> 275

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	caacgaaacc	ggaccaaact	ccaaacaaaa	caagaaagat	cgaggcaaag	taaccaaaca	180
	cagaaacatg	aatcaagaat	catcacttgt	ttccttagaa	atcagcagaa	gcaagaggaa	240
	catgttccga	agaacccatg	aagacatttc	cgtagataag	tccggcaagt	ccaccaccga	300
	tgagtgggtc	aaccagtag	accagtgac	cagagaagtc	tccggcagca	acagctggtc	360
35	caaaggaacg	tgctgggttc	atggatccac	cggagaatgg	accggcggcg	aggatgttgg	420
	caccaacgat	aagaccaatg	gcgagaggag	cgatggttcc	gagagaaccc	ttcttgggat	480
	cagcggcggt	ggcgtagaca	gtgtagacca	aagcgaaggt	gatgatgatc	tccatcacta	540
	ctccttctat	cgatcctagt	ccagccgcaa	cgctgtgggt	tggaaccgcc	aatccaccgg	600
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	gacaaaccgc	gatggccact	agtcccgggt	tatcaagagc	agcgtccgac	gtcagctttg	840
	cgtaggcaat	ggcagagcca	acaccagcga	aaacaaagag	taaagtggag	atgaactcag	900
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<210> 276

<211> 977

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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55 <223> n = A,T,C or G

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tagttttatg gcaacttttg ctgtaattta tcatgcattc agcagtagag gccaatttta 180
ccctgcgact gtttatctat caacctcaaa gatcagtttg gtgttgctnn ncaatatgtg 240
10 tttgnnnnt atgcttagtc tctggcattt ggtcaaattt gtcttcttg ggtctcttag 300
ggaagcagaa gtcgagaggc taaatgaaca agcttgga gaacttatgg agattctctt 360
ngccattact atctnnngac aagacttttn nagtggggtt cttccttngg ttgttactct 420
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tccttctgtc tctaagcttt ctcattttcg tattgtctct tttatgggtt tccttcttct 540
15 tgtggatagt ttatttatgt acagttctat acgccacttg attcagtcgc gtcaggcttc 600
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20 cgaaaccttc agaaacttcc agattcgtgt ttccgattac cttcgttatc gtaagatcac 900
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<210> 277
25 <211> 976
<212> DNA
<213> Arabidopsis thaliana

<220>
30 <221> misc_feature
<222> (1) ... (976)
<223> n = A,T,C or G

<400> 277
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tttgagccgt caccgtttct tagacttaac agccacaaca cttttataaa gttcacgcg 180
atccttcaac gcatctcgcc gaggccgagc caccttattg tttggatcaa acaacaaaac 240
ttcttcaaac gcattcaatg ccaaaggcaa ctcttcttct ttctcataag catccccaag 300
40 gttgttccaa gctgttacat aaccgggttg cagcttcacc gccatttcaa actgagcaat 360
tcctttgtca agtttatcct ctctgtacata actcactcca agagcgttat agacctgagc 420
aagatcttga tcatcacctg cccatttctg gatagcttgt tgcaaaaact tgttggtgctgc 480
aggataaaac ttcttctca acatcactgc accaagctca aagagctctg ttgacttgc 540
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45 aagtacttga cggatcacat agaaagtacc aactccaagc aacccagta gtaacagcaa 660
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<210> 278
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55 <212> DNA
<213> Arabidopsis thaliana

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<220>
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<223> n = A,T,C or G

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<400> 278
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ttaacacaag catggaaatt atggatagaa gaacatataa aagtaactgg aaaagttccg 480
20 ccggggaata agtcagncaa caacacattt gtcaaacaaa ctccgaggaa gaaatccgat 540
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25 aattggccaa cgtttccaca gatatttctg aaaggagaaac ttgtaggagg atgtgatatt 840
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ctcttccaaa aaaaaa 976

30

<210> 279
<211> 975
<212> DNA
<213> Arabidopsis thaliana

35

<220>
<221> misc_feature
<222> (1)...(975)
<223> n = A,T,C or G

40

<400> 279
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50 tggtagaagg ggcttcatct tgtgacctca aggagctagt ggccaagttc atcccagagg 600
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55 cgctggcaaa aaaaaaaaaa aacctaattg tatgtcgcca ttggtgtgac tgggttttga 900

5 ctcgtttttg atggatgac tttattgttt atcatgtttt acctttttta ttatatgtct 960
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<210> 280

<211> 974

10 <212> DNA

<213> Arabidopsis thaliana

<400> 280

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	caccatctct	tcctctctgg	aaactctccg	gttgactac	catctaggag	acaatcattc	180
	gttctctctg	ctctcttcaa	acccaaaacc	aaagctgctc	ctaaaaaggt	tgagaagccg	240
	aagagcaagg	ttgaggatgg	catctttgga	acgtctgggtg	ggattgggtt	cacaaaggcg	300
	aatgagctat	tcgttggtcg	tgttgctatg	atcggtttcg	ctgcatcggt	gcttggtgag	360
20	gcgttgacgg	gaaaagggat	attagctcag	ctgaatctcg	agacagggat	accgatttac	420
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	ctcggagaca	gaggaatt	cgtcgacgat	cctccaccg	ggctcgagaa	agccgtcatt	540
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25	ctgataggag	agattattac	cgggaaagga	gcattagctc	aactcaacat	tgagaccggt	720
	ataccaattc	aagatatcga	accacttgtc	ctcttaaacg	ttgctttctt	cttcttcgct	780
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	atgtacttaa	atttagtaga	gagtgtgtga	ccttctcttc	atgttgagac	aaaaggaaat	900
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30	taaaaaaaaa	aaaa					974

<210> 281

<211> 974

<212> DNA

35 <213> Arabidopsis thaliana

<400> 281

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40	caaaagaatt	tagcaaacag	aaccacacaa	acatataagt	cggtaaaaga	gagaaaaaca	180
	aaacacaatc	aacaatcata	tgatcaagtt	ctaaactaag	aaacactcag	acgaaagatg	240
	cggcttttgt	tactcacaag	ctaaaggctt	aaccttgaa	ctgtagataa	gcattttctt	300
	ggtcgaagtc	gggttatcaa	cagttagcaa	aatcctgcc	acttctccaa	ctttgaagct	360
	atgagacacc	accagttcat	ttttcgcagt	catcttctc	ggtttctgaa	tgatcactgt	420
45	atacccttct	ttgttctccg	gcacaaactc	cgctccatac	gaaacctccc	atcccactac	480
	tcttatctcc	cacacgattg	tacattttct	gtaaacaata	atctcgacgg	tttgtttagt	540
	agttggttta	acagtaattc	cggtagcgat	atcatcggtg	gtgaaatccg	agttacactc	600
	gcaattatcc	acacttagtc	caccatactg	aaccgggaca	tgttcgggtg	atatgtactt	660
	gagaaggggt	tctgcagatc	ttgaaggacc	tgcaaaaact	agtttgctct	ttgacctttg	720
50	tgacataaaa	ggactaataa	ttctatagaa	cgcaaggtag	caccatggaa	cattgatgaa	780
	tatctgttta	gagacaaact	cagggttaatt	gtcttggaaga	agatgaagag	cttgcttagt	840
	agtaacctta	agctcagctc	taccagggtc	tggaagaattc	ttaagatcat	ttacttgaca	900
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55	aatcctccat	ctca					974

<210> 282

5 <211> 973
 <212> DNA
 <213> Arabidopsis thaliana

<400> 282

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	caagccaagt	acttctccag	cttctctact	tcctctgtgc	ttccaatgta	tagaggaacc	180
	ctctgatgta	tctcagtcgg	ttggatatct	agtactctcg	aatgtccatc	agaacctttc	240
	cctccagctt	gttcaacaat	gaaactcatt	ggtgcacact	catacaacag	cctaagtttt	300
15	ccattttttgc	tctttgcgtc	acgagggtac	ccgtaaatacc	caccatacaa	taaagtcctg	360
	tgaaaatctc	caaccaaact	tccaatgtac	cttgccggagt	aaggcttccc	agttggacca	420
	gggtccttaa	gatcatcaat	gtacttcttt	agtttatcgt	cccacatctg	gtaattccct	480
	tcgttgaaag	agtagattct	cccggctttg	gggatctcaa	tgttttcttg	cgtgaggaca	540
	aactcaccgt	acattggatc	gagcgtgaag	gagaaaacgc	ctttgcctag	agtaagaacg	600
20	aagatgaccg	agctcgagta	catacagtag	ccggctgcta	acaagttggt	ccctggctgg	660
	cacacgttta	ctatacacct	ttgttcttct	gacccaagag	ctgagatata	gtcggagtcg	720
	tcgacaatgc	attcgtcatt	ggggctatag	ataccgaaga	tagaaccagt	agagacggca	780
	gcgtcaatgt	tggaggaacc	atcaagaggg	tcaaacacga	cgacgtagtt	gccggagtaa	840
	ctctcctcca	ccgcaactgg	cacgtcctct	tcctccgagg	ctatgattcc	cgttcttcca	900
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<210> 283

<211> 972

30 <212> DNA
 <213> Arabidopsis thaliana

<220>

<221> misc_feature

35 <222> (1)...(972)

<223> n = A,T,C or G

<400> 283

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	gttgataaga	cttctacttc	ctgacgatat	tgagatcgat	gtgtacatac	gcaagcgann	180
	nacaaatact	aagaagaaag	ccgatacaag	catgaatgg	tcgctagca	tgtatattgg	240
	tttgaatgta	tagtacacct	ggaaggggtac	gttgtgagt	ggaactacgt	tatctttttg	300
	caacacaacc	acggttcttc	ccacaatgtc	aaggatagag	tatttgacct	gcaactcttg	360
45	attgactgta	aagggcaaaa	cagcagaagg	gtcctttgat	ccttcaggaa	gcacgacttt	420
	gatagtcaac	ttgttaacaa	tagtttctgac	gagcggggcac	ccaaaggtaa	agttcaagta	480
	acgtctgcc	tcagatgctt	caaagagata	gtcttccaat	ggaactctat	agccgatgat	540
	aaaagttgca	ctccaccctc	caaataatgg	gtagcgggggt	tcaaattcaa	gttctgactt	600
	tctaaagcct	gtacgcaaat	gtgaagtaga	gatgtttcct	atctcatccc	tgtagtagac	660
50	agagttcact	ctgggaggta	ggactgcaag	gagcgcattg	aaagaggatg	caccactgac	720
	cgatcgttta	gattgataat	caacccttga	gaaaacaccc	ttatgcctcg	ctcccccatg	780
	agtcaacct	taattttctg	taatctgaag	gtacccccag	tgtgaaatct	caatttcacg	840
	cacaagctcc	tcaacaacag	caaatggact	gttattctcg	aagtgaatga	tgacaggtgt	900
	gtaagagtat	gaagcacgat	tttcatatgg	tccatatttg	atctctttgc	cagcccgggt	960
55	agcaggttca	at					972

5 <210> 284
 <211> 972
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 284
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 aaccaccaa gttttacatg aaacgaaaca ttgaacttct taagcataac agagacgaga 180
 tttagaaacc accacgaaga cgcaggacca agtgaagagt agactccttc tggatgttgt 240
 15 agtcggccaa agtacgtcca tcctcaagct gctttccagc gaagatgaga cgctgctggt 300
 ccggaggaat accttccttg tcctggatct tggccttgac gttgtcaatg gtgtcggagc 360
 tttccacttc aaggggtgat gtctttccgg tcaaagtctt gacgaagatc tgcataacctc 420
 cagcgagacg caacaccaag tgaagggtcg actccttctg gatgttgtaa tccgccaaag 480
 tacgaccatc ctccaattgt tttccggcaa agatcaacct ctgctgggtc ggagggttc 540
 20 ctctcttatc ctggatcttg gccttcacgt tgtcaatggt gtcagagctc tctacctcca 600
 aagtgatagt ctttccggtg agagtcttca cgaagatctg catacctcca cgcagacgca 660
 agaccaagtg aagtgtggac tccttctgaa tgtttagtgc agccaaagt tttccatctt 720
 caagttgctt tccggcgaag atcaatctct gctgggtccg tgggataacc tctttgtcct 780
 ggatcttggc tttcacgtta tcaatggtgt cagaactctc cacctccaaa gtgatggtct 840
 25 ttccggtgag agtcttcacg aagatctgca tacctccacg cagacgcaag accaagtgga 900
 gtgtggactc cttctgaatg ttgtagtcgg ccaaagttct gccatcttca agttgttttc 960
 cggcgaagat ca 972

<210> 285
 30 <211> 971
 <212> DNA
 <213> Arabidopsis thaliana

<400> 285
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 tcaccctgcg tcggtttcag attgggtttc aaaaccaata gaagaagata agttgagaca 180
 ttgtgctctt ccttctccc actctttcct cgcactctct tggacagacc ctttttcgga 240
 tctggttctt tgtgtaggaa aggctgtgaa cccctggaac ctcacctctt acccgaacca 300
 40 cggctagagc ctgtcctcat cgatccttca ttcacggag aagatccatg tgctgcaaat 360
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 45 cctgactata gcaccatagt ctcccgaatc attgggtatc tgttactatg ggtaatgcag 660
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 aacactatct atctttcttt ggtattgggg aatgcctctt cttgtcttgt tgtaattttt 900
 50 gagtttttta aactcttttc tttgtacttg tttctatttg aatgaatgaa aacaaggttt 960
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<210> 286
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 55 <212> DNA
 <213> Arabidopsis thaliana

5

<220>
<221> misc_feature
<222> (1)...(971)
<223> n = A,T,C or G

10

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tccaagctat ggattcgagt cacgttgctc tgggtgtctct cttgctaaga tccgaaggct      180
15 tcgaacacta cagatgcgac aggaatctct ccatggggat gaatctcggc aacatgtcga      240
agatgctcaa atgcgccgga aatgatgaca tcaccacat caaggctgat gacggcggcg      300
acaccgttac cttcatgttt gagagcccca cgcaagacaa gattgctgat tttgagatga      360
agttgatgga tatagacagt gaacatctgg gaatacctga tgctgagtag cactcaatcg      420
tgaggatgcc ttccaatgag tttccaggga tttgcaaaga tctcagtagc attggtgaca      480
20 cagttgtgat ctctgtgact aaannnnnncg tgaagttttc tactgccggt gacattggaa      540
ccgctaacat tgtgctcagg cagaacacaa ctgtagacaa gccggaagat gcaattgtga      600
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aggcaactcc attgtcagac acagtgacaa tcagcttatt gtcggagtgt ccagtggttg      720
tgaggtataa ggttgctgag atgggttaca ttcgttacta cttggctcct aagattgaag      780
25 aagaagaaga cactaatccc taagaccctt tttatatcca caatttctct tcattctaaa      840
atgttgaaga tttattgaca atgttggtgt ttttttttgg tgagattcct ttgtatcccc      900
cctctagaat cagttgtttt cttgacttat tatgttttat gataacaaag ttcagcaaaa      960
aaaaaaaaaa a                                     971
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30

<210> 287
<211> 971
<212> DNA
<213> Arabidopsis thaliana

35

<220>
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<222> (1)...(971)
<223> n = A,T,C or G

40

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aagtttctga ggactctaac aacccttgta tcgcgactgg atatgctggt acctacaaat      180
atggaggaaa agcgtttaaa gctgcagctt ctccatccgg tgcaagtcta gatgagtgcc      240
45 ggcgagtagc tattaacgca ctcaaagtca ataattcatt gtgtacacac atgaaatgca      300
cttttggtgg agtatggaat ggtggaggcg gtggtggcca gaagaaaatg tttgttgcatt      360
catttttctt cgatcgagcc gcagnggctg gttttgttga cccaaaccaa cctgtggctg      420
aggttcgacc acttgacttt gagaaagcgg cnaacaaagc ttgtaacatg agaatggaag      480
aagggaaatc gaagttccca cgtgtggagg aagataatct tncntacttg tgcttgatc      540
50 ttgtttacca atatactctt ctctcgtgat gattcggatt gaagccatca cagacaataa      600
cgttagttaa gaaggtgaaa tacggagatt acgccgtgga agctgcgtgg ccactaggaa      660
gcgccataga agcagtatcc tcaccatgag gaaggcaatt ttgggtattt gcactaaacc      720
tcttattctt ttagtttctc ccaaaatcac cccaagcttt ttttgcctta cctcaaattt      780
tttttatcgt caacatcttc cttactatca atttttgtaa caataatcat ctagagaaaa      840
55 gagtttcaat tcttaataata cctataattt tatttttctt gtaatctaaa ctgcttaccg      900
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5 catacgtaac ctctgtttct ttcttataaa atattttcct tgcgttaaaa aaaaaaaaaa 960
 aaaaaaaaaa g 971

<210> 288
 <211> 970
 10 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 15 <222> (1)...(970)
 <223> n = A,T,C or G

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 cgatgagtga acagataaca ttgatttact atatgaaaat aagtgatgtg attttttaac 180
 tccaattaaa aaaaaaagaa gtctttttaa gcctagaaga attcaaacat tcgagaagag 240
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 acaagaaatc aagtcgactc cggagagaaa gcttcaatcc cctcaccaa actatctggt 360
 25 cgagataacc tcaagctttg ctagcaatgt tgttggaag ccaatccaga ccttcataga 420
 gcccttcacc gctagtgtcg catgtgcttt ggatgtacca ggggcgttgc cggannnnnn 480
 nnaggccaan nnnnncagta atctcagcag cattcatagc gtttggaaga tcctgcttgt 540
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 catctctggc ttcaacaaca cggctctctgt cattgctatc aacaacaaat atcagacctt 660
 30 gagtgttttg gaagtagtgt ctccacaagg gacggatctt gtcctgacct cgcacatccc 720
 aaaccgtgaa gctgatgttc ttgtactcaa ccgctctccac attaaaccgg atggtgggaa 780
 tgggtggtgac aatctcacca agcttgagct tgtacaaaat ggtggtctta ccagcagcat 840
 caagaccaac cataaggatt cgcattctct tcttggcaaa aagccggcta aaaagctttg 900
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<210> 289
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 40 <213> Arabidopsis thaliana

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 45 <223> n = A,T,C or G

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 ccaccgggtca aagcaaataa ctctctgtca atgacaatgg agaaacaata taaagatttg 180
 aggagtagga acgatagttt caagtcgttt aaggaggaga ggactcctca tggaccagtt 240
 cctgattatc aaaatatgca gcacaacaga aacaatcaaa ctggtgtgag aatttcacac 300
 tcaggtccat tgatgagcaa ccggaacatg gctaagtcaa caatgcatgt gaaggagaat 360
 gcacttccta gataccctcc agctagagta aaccggaaga tgttatcagg ctcagtcctc 420
 55 tccaaaacat tattagaacg gcaagatcaa ccagtcacga accaaagaag aagagatcgg 480
 cgagcataca atagagctga tactatggat agtagacata tgacagcacc aattgacca 540

5 ctttcttctt ctctggcttc agattcttcc caatcttccc agcctctgaa atcatccttc 840
tcaatgttct ctggatcact ccttcattct cttctggtta tttctgcttc cgacaagaca 900
tcactctcat agatctaact ccgtgtctgc ttgaggcttg tctctttgta cgggtggttag 960
tgcagagt 968

10 <210> 292
<211> 968
<212> DNA
<213> Arabidopsis thaliana

15 <400> 292
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gaacagcgac gggaaagtca ttgcttatgc taagccgtct tatccatgga taaaaggaag 120
tgacacatca actgcagaat caggttctga agctgaagat attgttggtg ctccaaaagc 180
agtaaagagt tattcccatc tccgcttgac ccctgttcgt gaagaggcaa aggttggttc 240
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caaagctggt gacgccacct ggaagggtta acccaccgcc atcaaccggg ctccctctaa 360
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25 tgcagaggaa gctgatctcc tcaattcagt gctgaagaaa ttaaccgaac ttgaggagaa 600
aattggagcg ctccagtc aaagcattctga gatgccttat gagaaagagg aactgcttaa 660
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30 gaatcaaattg tttgtttcta gaagaagaag aagaagaaga ggcattctctg ctttctctct 900
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atcagttc 968

<210> 293
35 <211> 968
<212> DNA
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<400> 293
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tttttgccaa agatactctc aagagcatat acacacactc acataactga aagaaaacag 120
aggatacaac agaaagaaag tactgagaaa ttgggcaatg agaaagccgc ttattttaatc 180
ttagcattat tactgtgact gaagcaaaac catattttcc ttttagaaat ttctcactga 240
accttctcgg aagctggcct cttggtgatt tcagccaccc actcattgac acgtggacgc 300
45 tcggtgaaga gcttcttggg gggagttccg agcaggtatt gaatcgcggg aatgtggtga 360
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gctgggtgtc cgaaaacttt gataactgcc attgatttgg ttactaagaa actctttgaa 900
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agctccgtgt ctttcttgcc gatgagaaac gccggttcta ggctcgtagt cagggcagcc 180
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gagaaaatgg ctaacaattt gaaagaatat ttggctaaga attgtgtttc gaaagatgtg 240
45 aatcttggaa gttgtactgt gcttgagact gctggcaag gagctcttgc ttctctctat 300
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aatgaagcga cttttcgttg tcttgatgaa ttgggttgga aacctnnnt tttgtttcac 480
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 25 ggggaggcaa aggtcaaggt aaatccttcc agtgtgagct tgtcatggcc aagatgggta 720
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35 <213> Arabidopsis thaliana

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40 <223> n = A,T,C or G

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 45 agaggaagac gcagcagtggt tagcagtcgt aatcgcgagc gcagaagctg cgatcctctg 180
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 aacccttttc taccattcca accaccgct ccaccaccac gtccgagacc gcgtccaagg 300
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 55 gcagaggcct ttgatcagat tctctcactg ttcatggaat cccctctgct caaacgctaa 780
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5  tacgtagatt taacgaaaca attttgtttg tttgtaaaca acgtagcaat tttttttttc 900
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   catggccacg gtgactcgtc ttctctgtcc gattccgacg acgataagaa atctacatcg 180
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   tttaa 965

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   acatgtctca tgactacttt gatgctgagt tgaccagct tggctggaaa caggtagata 180
   gtttgcgtaa gcatgttcat tccagtggac ttcacaagaa gatcgaactg gtcatttcgt 240
   ctccactgat gagaaccttg caaactgctg ttggtgtttt tgggtggagag ggctacacgg 300
   atatgagtga tgtactacct ctaatggtag caaatgcagg aaatagcagc cgtgcagcta 360
55  tatcgagttt aaactgccca ccagttatta cagaggagtc ctgcagagag catttgggag 420
   tgcattccatg tgatcagagg agaagtatca gcgactatca gtttcttttc cctgcagttg 480

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5  acttttctact gatagaaagc gaggaagaca agttatggaa ggctgatggt agagaaacga      540
   ttgaagaact tgcagctaga ggaaaaaagt tcctgaactg gctatggaca cggaaagaaa      600
   aagagatagc tattgtgaca cacagtgggt tcctgtnnca cacattgaat gcactacaaa      660
   acgagtgtca tccagatggt aagaaggaaa tttgcggcca ctttgctaata tgtgagctac      720
   gttcaatggt catcgctgat agaagtatgt tgggatcgga cagttcgggtg actgattatc      780
10 caggaaagat tccaaagggg attgatcttc caagtgatgc tgttgtagat gataacaaca      840
   tcaaagttga gtgattcttt atgatggaca ctgcattgtc ttcaactttt ctatttatct      900
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15  <210> 300
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20  <220>
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    <223> n = A,T,C or G

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    tcgagttggt ggtatggcta aaggctccgg gatgatccat cccaatatgg caactatggt      180
    aggtgtcatc acaacagatg cactagttga aagtgatatc tggagaaaaga tggtaaagggt      240
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    agaagctgca cagcttcagg catgcctcga tgcggtgatg caaggacttg ctaaatacaat      420
    agcttgggat ggtgaagggt ctacatgtct catcgaggta actgttaaag gaacagaaac      480
    tgaagcagaa gcagcgaaaa ttgcacgctc tgtggcttcc tcttccttgg tcaaagcagc      540
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40  agaccgagag acagagtttc atttactggt tttgtgttat atctcaaatt ataaactgaa      900
    tttggttcaa ataagcggac aacgtttcaa caataaagtt ccattgactt attctcaaaa      960
    aaaaa                                         965

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5  acaacagcaa caacaaacac gttcaaagca aaactcagag aataaactaa tcccagtttt 180
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   tcttcttcat cttctttctt gggttacaat aacaaacctt tcccaagctt atttaccatat 300
   aaatcacaaac tctgcaaatt gttgaacggc gtgctgcgtc cctttgtaca acttccaccg 360
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   cacatagttt gttgaaagcg tcataggagt gatgggcatg acagcttctt tgacggtaac 660
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15 cgggcccgcgca ttgcaaagtc actttgggat gcaatggttt attaaactttt ccagaagcat 780
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   <223> n = A,T,C or G
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   cactagtgtg cttgacttca gggtaaagct cggaaagctc aactccaaaa gaaggatcta 180
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   ccattggagg cttactctct tggatggttt tgaggagttc ttcctctgaa acataagtct 300
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40 atagatnnnn nctttgtctc tannaggaga tctgagtcgc aagtggcatt gacccaaaca 540
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45 agctgatatc acgacatcga cttgtttaat cgccttcact aagctctctt tatcacttaa 840
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   acgatcttct ctttcaaaga caatcaagtg agagatcttt gccttttctt acaacaaatc      180
   aaatgtttct aaggatcaaa ccttagatga agttacggat gtctagagac ttcacgtccg      240
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   ctggaatagc atgttgctgc tgcaaaatga ccagaccccc ctgtagctgc ttagatctgg      900
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   <210> 304
   <211> 962
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30  <213> Arabidopsis thaliana

   <220>
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35  <223> n = A,T,C or G

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   cctcgcaact caccgtcaac cccttatcca ttccaccacc ggcggccacc gttctcctct      180
   tcttcggagc tccgttctcg ttagaagaag gaaaagaaga tctcttgga ttaatccgaa      240
   ccgggtcggg ttctcctgaa ttaactctca acggaaaatt caacaaagcg cggaaccac      300
   gcattcctgaa agcagctctg tcgtaagcca acgcccgcgc ctccgcgcgc tcaaactgcc      360
   ctaaccaaac cctagctccg ttcttcgccg ggtctctaatt ctccgcgcga aatttcccc      420
45  acggcctttg tctcactcct ctataatgct ttcccttcgc cgccgtcacc gccgccgaaa      480
   caggactnnn cntcnnnnnn ttgaccggaa cagaatccac cgccgcgaaa ctctccggag      540
   tctcgatctt aacactcggg aaagagctac gatcttcgtc ggaagacgaa gaagacggct      600
   cccaaccgcc gtgaaaggcg tcgttgagga taccgtaaac taacatatcc tcagaatcgt      660
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   nnnctttgac attgttcggt tggctgatga agcagaccat taatgtcatt cagatgaaaa      780

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5	ctgctgcaga	cgtttgtgta	ctgtatgata	tagagaagca	gcagaagcct	tgatcatctt	840
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10 <212> DNA
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30 <400> 335

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25
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25 <222> (1) ... (949)

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25 <213> Arabidopsis thaliana

<400> 341

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45 <213> Arabidopsis thaliana

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cgtatccgaa gatgattgat gttgcagtac cagcaaatat ggtctgtggg ttacaagatg 840
30 tgccttctca agccaactaa aaaaaactct tacatataat gtttgtcttt ttatcgatgt 900
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<211> 941
35 <212> DNA
<213> Arabidopsis thaliana

<220>
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40 <222> (1) ... (941)
<223> n = A,T,C or G

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ctcataatca tcaattgggtg gggttgctgc ggaatgaagc caaggctttg attgctgcag 180
ctctcaagat atattgatgg tatgnnctg ctgctaagtc tcccacgaat ggtccaaccc 240
aaaagatcca atggctcgtcc caagctttct cattgtttgta gataacagca gcaccaaagc 300
ttctagctgg attaatccca gttccagtta tggggatagt agccaaatgc accatgaaca 360
50 cagcaaatcc tataggtaac ggagccaaaa ccgggacgtg agagtcacgg gcacttcttt 420
tggggtcagt ggcagagaag acagtgtaaa ccaagacaaa tgtgccgata atctcagcac 480
caagagcagt tccggtgcta taaccatcag ctacgggtgtt agctccgcct ccgagacgtt 540
tgtatggagt catcataaag gccttaacga gtccaactcc acaaattggct ccaagacact 600
gagccaccat gtaagcaact gctctagga gcgacacttt acgagccaag aacagaccaa 660
55 atgtcacagc tgggttaatg tgacctcgg agataccggc ggtgcaatag acgaggacaa 720
agatcatgcc accaaaggcc cagcgaatgc cgagtaaacc aacaccgcca caaggaccgg 780

5	tttgggttttt	gtggccaatg	actgtagcta	cggttacata	gaggaagagg	agagtggcga	840
	tgaactctgc	gatgatagct	ctgtagaaag	accagagctt	aagctcagcc	atgtctagaa	900
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10 <211> 941

<212> DNA

<213> Arabidopsis thaliana

<400> 357

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	ctttttcagt	ttcattttatg	tatcaaaaaga	caacaagacg	atacaaacaa	acaggaccaa	180
	tgagtctggt	ttgcttcac	aggcagcctt	actaggcttt	tttttgtgaa	gctgcagatc	240
	taatggcggt	ttttgcaagc	gtcgaaggct	tgagtacact	cttcgggtta	atagcctttc	300
20	tgattttgaa	agcaaccag	gctgtgccaa	gcgcataatc	tgctgcatcg	agcccttcgt	360
	ttgtcgctc	agccgcttta	ccaccatact	tgtgatcaac	gagttcgggt	gtaacagtgg	420
	aagaggttga	cattacattc	ctcccagcta	cttcaacagc	gtcacagacc	ttattgaatc	480
	cgtcaagaga	tgcaaggatg	acttctccag	gaagaaggct	gaagaatttc	tttctactt	540
	tggtgtttgc	aactgaactt	gtgaaaaatc	cagaaacttt	aaggactcca	gacagtatgc	600
25	tgtttgctac	actctctgtc	attttggtca	tcctcttcac	tcctctgatt	cttttcaagg	660
	tgtcaggggtg	aacttcactc	tccttctcag	cctttgacaa	cctccttttc	atgaaaccat	720
	ttccccaaat	aagcctatcc	atagtcacat	ctccacacca	aagaatcctt	tttatcaa	780
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	ccaaagtcgt	ccaataagca	gaacattgcc	tctccacaat	ctctttcctt	tccccagtaa	900
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35 <213> Arabidopsis thaliana

<400> 358

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40	aaaaagtcag	attcagatac	atacatactc	tgaagaacat	gtcgacgcga	agacgaactt	180
	tactcaaagt	tataattctt	ggagacagcg	gggttggtgaa	aacatcggtg	atgaatcaat	240
	atgtgaataa	caagtttagt	caacagtaca	aagctacgat	cggagctgat	tttgtcacta	300
	aggagcttca	aattgatgac	aggcttgtca	cattgcaa	atgggacact	gctgggcaag	360
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	ccttcttgtg	catcacaaaa	cttgcccttg	caaatagaacg	cgaccaagat	atataatttcc	720
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	tgagaaggac	caataaaaact	tgtattgttc	cctaagtaag	gttttggttac	ctttctgggt	900
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55 <210> 359

<211> 941

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5  <212> DNA
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   tacgagcgctc aatactgcga gctctcaacc aatctctcta gaaaatgtca ctctgcatcg 180
   gttctctcca acggagagga gaagaagggg aagattgctg agatcaagtc tggaatagac 240
   gaagctgatg tcttgatccg gaaaatggat cttgaggcaa gaagtttgca gccgagtgtc 300
   aaagctgtgt gtctttctaa actaagagag tataaatctg atctgaacca attgaagaag 360
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   tccggaatgg cggatctgca tgcagtatct gctgatcaaa gaggaagatt ggcaatgtcc 480
   gtggagaggc ttgaccaatc aagtgcaga atcagggaga gtagaagact aatgctggag 540
   acagaagagg ttggcatctc aattgtccaa gatttgagtc agcaacgcc a nccccctctt 600
   catnnncaca acnagcttca tgggtgtggat gannncattg acaagagcaa gaaggtgttg 660
25  acggctatgt caaggagaat gactaggaac aaatggatca ttacatcggt aatcgtggct 720
   ctcgttctcg ccatcatctt gatcatctca tacaagcttt ctcatataa ctcaaaaaac 780
   attattcatc gtgattgtgt atatatatat gatggttgat ttactttgta atggcccaag 840
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30

   <210> 360
   <211> 941
   <212> DNA
   <213> Arabidopsis thaliana
35

   <220>
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   <223> n = A,T,C or G

40

   <400> 360
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   gcaatcaaat ccctacttgg cagttggcac tggacctacc agctttccac cttttggcta 180
45  tgccggcgga ttcccagtcg ttccgctcag gggctctccc ttcaactgcg ctgacattga 240
   catcttcgag ttctttgceg gcctcaacat tgtcgatgtc ctgctcgtca gcaaaaaacg 300
   taaattctct ggggaggcct ttgtggtgtt tgccggccct atgcaagtcg agattgcctt 360
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50  cccaccncnc accgnnnnat ccagggcaaa gaggtttagt gagaaagaga agcttgagta 540
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   gtttttcacg ggggtacaagg ttatccaagg acgggtacag gttgtgtgtc ggccgtgatg 660
   gaaggccacg ggagaggcat ttgtggagtt tgagacgggg gagaggcgga ggaggccaat 720
   ggctaaggac aaaatgtcga ttgggtcaag gtatgtggag ttgtttccaa ctacacgtga 780
55  agaggctcga agggctgagg ccagatctag gcaatgactc tttccttcac tatgtatcat 840

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5  tatatatatc ctttggacca attttgttag gttaaaaccc aaaatgttta tcagtgggaat 900
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10 <212> DNA
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   ctttctaata agaatgaaat aacccaaaaac agcaciaaac gcagcaacag cattgccttc 180
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   caccataacc gccggaaccg caaccgcagc cgccgcaacc atcgacatgg ctccaaacac 360
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25 aattgaaatc tccgtgattt gagatttgtg ctgaagaact agaagaaga gaagaagaag 720
   aagaagaaga gagagagcac aaaaaaaaaa gtgaaagtct tcagatttgg ggaaaataga 780
   ttagttcacg tgagtccac tctcatgtta aagcgcgtgt taatcactcg ttggtttaga 840
   ggcttgtagt ggagtacacg cgcttaagtt tcggtttatt tattgatttc ccccaaaaga 900
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   acacacaaac aagttctaga caaacaaaaa aaaaagagaa aaagcaaaga gattgnaact 180
45 tgagatcggc gccacgaact gaggtttatt actgatagta catgagttgc tgtgcggcgg 240
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   gagctggggc aggtggggga agtggggttg aggctgtacc tgggtggagt ggcttggttc 480
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   caagagcagc ttcgggatga gtgttatatc tcacgaaacc aaagcctttg tctcgttgga 600
   cacggacctn nnnnntaact ccagcgccaa gagcatggaa gtaacggtgt agatcaagct 660
   gagttacctc tggagcaagg tttcccatat aaacagtggg aaactgagaa ttattttcag 720
   gtgtttcctc atttaatgtc tctttaccat cctctgatga gccagttgta agttccacaa 780
55 cactttttcc atcagaactg agcttatcat caccagaagt agcgcccttc gtggcccagt 840

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5 tgcattctgat ttgtctgcta cttaaccact taccattcat ctcattaatg gcagtttgag 900
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<211> 939
10 <212> DNA
<213> Arabidopsis thaliana

<400> 363
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atcaacaacc ctctgttttg ttccactcgc ccttcccctc tgccgatata tagagtccgg 180
aggtttaactt ggtcagacgg tgtagaatca tctgccttcc aagcttccaa tcatcaatct 240
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ccgcgaattc cccggcttga gatggcagcc gaacgcggtt gaagacggcc cagggtcgat 360
20 gctccaagct cgaatacccc accttccatt tcgtcatccg acgaatcact gtaatcgta 420
ctgtcatctt gatgatcata accattgtat ggctcaatca catagtctcc aaataccata 480
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25 atgcatgacc ttttcttaga attcagatac ttacgttcct tttccacaac ggtccagcct 720
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<211> 938
30 <212> DNA
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40 atagaggaag aagaaagaag aaacagacga cgacgttgat tcatttcttg ggtttttggc 240
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5 <213> Arabidopsis thaliana

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25 <210> 366

<211> 938

<212> DNA

<213> Arabidopsis thaliana

30 <400> 366

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<223> n = A,T,C or G

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<213> Arabidopsis thaliana

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35	tttgaagggtt	tctggttaac	ttggtactca	acggaagacg	gagacgtatt	gctgctgctg	360
	ttgtctaatt	tatctgtctc	cgtcatcttc	atcttcttga	tctcagtttc	gagatcatcg	420
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	attcgtgaca	cttttggtac	gatggcacgt	agagcgtaaa	accggtgggt	tagctttctct	540
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40	gcgcgagcta	cccttgctct	ctcaagtttc	ctcttccgtt	ttctttccga	cccgaattgc	660
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	acctagtgtg	gtaccctcgt	caaacccggt	tcttttagccc	tctcgtagtt	gctaaaccgg	900
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50 <213> Arabidopsis thaliana

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55	cgacgagcat	cttctcactc	gcagttacat	tactggatac	caggcttcaa	aggatgatat	180
	caccgtcttt	qcagctcttg	caaagccccc	aacttcacag	tatgtgaacg	cttctcgttg	240

5	gtacaatcac	attgatgcc	tcttgaggat	ctctggtgtc	tctgctgaag	gaagcgggtg	300
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	gcttcaagga	atgtctgtgt	tcatgtggtc	tggttcttct	tcttcttcta	tattcagttt	840
15	cccaagtttt	tgtagactgt	tgttttgact	ctgttatggc	ctgccatctc	tgatccattt	900
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<210> 370

<211> 937

20 <212> DNA

<213> Arabidopsis thaliana

<400> 370

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	tcttcacgag	aagaatctcg	actttgaatt	cgttcatatc	gagctcaaag	atggtgaaca	180
	caagaaagag	cctttcatct	tccgcaaccc	ttttggtaaa	gttccagcct	ttgaagatgg	240
	agacttcaag	cttttcgaat	caagagcaat	cactcaatac	atagctcatt	tttactcaga	300
	caaaggaaac	caacttgtct	cccttggctc	caaggacatt	gcgggcatag	ccatgggcat	360
30	tgaaattgaa	tgcgatgagt	ttgacccagt	tggttcaaag	cttgtttggg	agcaagtctt	420
	aaagcctttg	tatggtatga	ccacagacaa	aaccgttgtt	gaagaagaag	aggctaagct	480
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	taaattcact	ttggtcgatc	ttcacactat	ccctgtgatt	cagtacttgc	ttggtacacc	600
	aactaagaaa	ctctttgacg	agcgtccaca	tgtcagtgtc	tgggttgctg	acatcacttc	660
35	taggccttct	gctaagaagg	ttctttaagt	gactcacaaa	ctgttaatca	gaagattgaa	720
	taaagtggcg	atgacctcat	tgccttaatt	ctcataaaca	ataaaaagtgg	cgatgacctt	780
	attgccaat	tctcatcac	tctgtgattt	ttttgtgtgt	gtctcctctg	tttttttttt	840
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<210> 371

<211> 936

<212> DNA

<213> Arabidopsis thaliana

45

<220>

<221> misc_feature

<222> (1)...(936)

<223> n = A,T,C or G

50

<400> 371

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	tgaagttacg	gttccgtccc	gtcgtgctt	cctcacacat	ttgtgtccca	gcgatcgaca	180
	agtcgacttt	cgtcatatcc	gaatcggtgt	cagaagatga	gctttgggct	gcagcttgct	240
	tccgcgtacg	aaccttcaac	gaactcaatc	cttctgctta	caatatccaa	gatcatagaa	300

5	gataacttggc	agagcgtgaa	ttcgaggcgc	ttaaggagag	aacttcaggg	aagaggggaag	360
	ggttttacgcg	ggtcgcttgc	ataaatgcta	cccttcatt	gtcgcaatta	tcaagctctt	420
	ttgaggattt	atgctctgca	tgtaagttct	ctgatggcat	agaagacaga	gttgtggtgg	480
	gaagccttga	tcttaaccaa	tgctgctggc	ttcctgatga	aattgctgga	acaaaaccag	540
	aggggattgg	tgtggatttt	gctagagcat	acttgagcaa	cgtctgtgtt	gcaaaagagc	600
10	tgcatcgtaa	tggagttggt	tacaaactta	ttgacaagtc	taagagagtt	gctggagaat	660
	ggggcataac	ggatatgtac	gtgcatgtga	cggtagacaa	tgaagcagcg	aagagtctat	720
	acatgaaaag	tgggtttgag	caagagaccg	ctgagccagc	gtgncaagct	cgataacctca	780
	ataggccaca	acggctcttc	ctcnggctcg	cccttcctac	ctccccaatc	atgtccatgt	840
	aattgtaaat	tttccaatat	atccaatatg	tcaacctgtg	nnnnnaatca	ataaaagctt	900
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<210> 372

<211> 935

<212> DNA

20 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(935)

25 <223> n = A,T,C or G

<400> 372

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30	tacaccggcc	ggtagagctga	ccgtagaaga	gaggaatctt	ctctcggtcg	cgtataagaa	180
	cgtgattgga	tctcttcctg	cggcatggag	aatcgtgtct	tcgattgagc	aaaaggaaga	240
	gagcaggaag	aacgaagaac	acgtgtcgtc	tgtaaggat	tacagatcta	aagttgagac	300
	tgagctttct	tcgatctgtt	ctgggattct	caggttactt	gattcgcctc	taattccttc	360
	agctactgcc	agtgaagtcta	aggttttttt	acctgaagat	gaaaggagat	tatcatcggt	420
35	atltggctga	gtttaaatct	ggtgatgaga	ggaaaactgc	tgctgaagat	actatgatcg	480
	cttacaaga	tgctcaggac	gttgacgttg	ctgatctagc	acctacacat	ccgatcaggc	540
	ttgggttggc	tcttaacttc	tcagtgtttt	actacagat	tctcaactct	tcagagaaag	600
	cttgtagcat	ggcgaaacag	gcttttgaag	aagccattgc	tgagctggac	acattgggag	660
	aggagtcata	caaggacagt	actctcatca	tgaggttgct	aagggaacat	ctaacccttt	720
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	gttatgtaat	gtacctgcaa	nnntaaccga	aaatctgagt	tcaacctcct	ttgctgtaaa	840
	acttgtcgaa	aagaaaagtt	tgttttttta	tgacagatta	tgtgcacagc	tttgggtgta	900
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45 <210> 373

<211> 935

<212> DNA

<213> Arabidopsis thaliana

50 <400> 373

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	gatgattcga	aattacacaa	acggaaatta	aaaagacatt	aaaattcaaa	ttcaaagtcg	180
	aataaaatta	cacaagagag	aaaaagagag	attaattcag	tagtctgtgg	ttgggagctg	240
55	ctcgtgctg	gtgttgatga	agaaaacttc	gtagatgagt	ccagcgattc	caccgccgac	300
	gagaggtccg	gcccagtaga	cccagtggtt	ggtccatgtc	cagctcacca	ccgctgggtc	360

5	gaaagccacg	gcgggattca	tggaggctcc	agagaaagct	cctccagcta	agatgttggc	420
	tccaacaatg	aaaccgattg	cgatgggagc	aattgttcca	agactcccgt	ttttggggtc	480
	aatggctgta	gcgtagacgg	tgtaaacaag	cccgaatgtc	atcacgatct	cgaaaacgaa	540
	agcgttcaac	actcctactc	cagcagagag	accaaaagcc	ggcacagcca	agccaccggt	600
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10	gataccacgg	aggagagtga	tgttaccacc	gatgaaagca	ccgaaagtga	cggcaggggt	720
	aacgtgtcca	ccagagatgt	tggcaccaac	tgagacagcg	acgaagagtc	caaaggcatg	780
	agccagtgcg	gcagctacga	gaccagaagg	agtgggtggc	ccgtttttcag	tgagcttggt	840
	gaaagccatg	ccagagcctg	aaccggcgac	gacaaagatc	aaagttgaaa	tgaactcagc	900
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15

<210> 374

<211> 934

<212> DNA

<213> Arabidopsis thaliana

20

<400> 374

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	tcacatgatg	aagctctttt	agaaccagtc	agaaatattg	tagcctaaaa	cgcaaaggta	120
	cgttacatat	acattcacag	gaacttacat	acagagaaga	gaagatcact	tatgggtgctg	180
25	cctcttcctt	ttgcatctgt	tcgataagag	gctcgagaat	acaagacttt	ggattccttac	240
	ccgggtggacc	tttttctctt	cgttcaagct	cttcaagcct	gaaagtaatg	agacgggtccc	300
	agtttctctc	ttcgaacaag	acaccagctt	ttccatcagt	gatcctctgc	acaattccac	360
	aatacatgtg	atacggactg	ttctggttct	tgactatagc	aatcatcccc	ggcatgagaa	420
	ggggtagctt	gggcgctttc	ggcttcttat	ctgtagcaac	cgcggtatgca	tcgcttcctt	480
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	ccttttcgcc	accgggaaat	cctcctgtga	gacccatcat	ctctttctcg	aaaccatctt	600
	cagggtacttt	aaaagacaag	ttactgtcat	cgctctctct	ctctgtctcg	ttgttctcag	660
	cctttgatgt	ctcttgctcg	tcttcaatgt	tcctctggag	ctccttctca	atacctttct	720
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35	ttacttgata	cagttttgac	tgctgttttg	gaggcgggaa	aaccgaccgg	tttacagttg	840
	aaaattgatg	tggtttggcct	agaaattttg	atcgatgaat	cggagttcta	atggtcggga	900
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<210> 375

<211> 933

<212> DNA

<213> Arabidopsis thaliana

<400> 375

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	taagaaatgg	tacaaagtag	taagtattat	tttaagatcc	atagagaaac	tgtctacaac	120
	ttagaagaag	gtttcttgga	tccacgtccg	gctataaact	cctgcatctt	tctaaactgt	180
	tccttcgtca	tcccactgta	atacgcgtga	gctcgtctct	tttctagtgt	gagagcatgc	240
	ccaagatcaa	gcttaagtc	atcattgata	acggatttaa	tcctcagaac	catgccttgt	300
50	tcattcttga	ttatagcctc	tgcgatttct	ctagctttct	ttaacgcttc	tccttcttca	360
	accacatgg	ttacaaaccc	taacttccca	gccacgtctg	ctgtcagtgg	catcgatggt	420
	aaagaaactt	ctcgagcttt	gtttgctccg	atgatcctcg	acagcttctg	agacaaaccc	480
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	accaaaatat	cacaggccaa	ggcgagttca	aaccggcg	tgatggcaaa	accgttaata	600
55	gtcccgatga	tcggtttacg	taaccgctcc	atctgcacaa	ccgggtcggt	ttccggatcc	660
	ttcacgtctc	ctttgaaaaac	agactccgcc	gcagtcaaat	caacgccaga	gcagaaagat	720

5	cgacctgatc	cggtgaaaat	cacgacctgg	accgattcgt	cggagtcctat	atccttgaat	780
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10 <210> 376
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15 <220>
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 <223> n = A,T,C or G

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	actcgttctt	cactcgctgc	gacacaagac	ggcggcggtc	aacggagtc	tcgtcggttag	180
	aatcagccct	aaggacgacg	gagttgtaga	gatctcagat	tctgtgccgc	tctttcactc	240
25	taacctcgct	ctccttcttc	ctctcgagat	ctccctcatc	atgatagagg	agcattatgt	300
	ggctcaagg	ttaagtattg	ttggatactt	tcattgcaa	gagagggttg	atgacgttga	360
	gctctgtggt	gtggctaaaa	acattgggtga	tcacatttct	cgctatttcc	ctcanncacc	420
	aatttctcntg	ttgaacaaca	aaaagcttga	agccttatca	aagggttaa	agcgaagccc	480
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	atctgagaaa	tggaaggacg	tcacagatgt	tgatgatcat	cttgatgatg	taacaaagga	660
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	ttgctttcat	catcttctgt	cgaaaaacaa	aaaagttctc	ggagaccatt	gtttaaaatt	780
	tcctttgaat	cttggttaaag	tattatccag	ctatgcaaca	gagctcaaat	tacnntta	840
35	tggtagacat	cttaaacctt	agttatatca	tttgaatgat	atcttttgga	gcttggtaca	900
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<210> 377
 <211> 933
 <212> DNA
 <213> Arabidopsis thaliana

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	ctcacctttt	aacctaatcc	tagacagact	tatctgcctt	ttaaaaaaga	cattttaaaa	180
	cagaaacaaa	cactctttta	ttttgctcca	taacttgtgt	attgcttctt	tcactattgc	240
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	tgaccagtca	atccaagagt	atctgcgtct	tcaccggact	taaagcacia	tgggatgatt	480
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55	actgagagct	tctctccaga	tggaatgtga	acagtcttag	ggccaacttc	accattcatg	720
	agcttggttaa	cgatacggat	attagcaaaa	gtacctctgg	ccattatttc	atcattccca	780

5	cggcgacttc	catatgagtt	gaagtcctta	cggtcaacgc	cacgctccat	gagaaacttt	840
	gcagcaggac	tgtccttttg	gatgtttcca	gctggtgaga	tgtgatcagt	ggtgatactg	900
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<210> 378

10 <211> 932

<212> DNA

<213> Arabidopsis thaliana

<400> 378

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	agcttggtta	ctctaaatga	ccaaatggat	gaaagagcaa	caacatgggtg	atatgatata	180
	cacatgtatt	atgaaacttg	gtctcaacaa	ggtaacttga	aacccatgta	acgaccagag	240
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	agaggactaa	tgagcattcc	acctccaata	ccgaacacac	cacccaaaac	tccagctaata	600
25	agagccatta	cagggaaacat	acacttggtt	gatcttgctc	catcatttga	tctcaaactct	660
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<210> 379

<211> 932

<212> DNA

35 <213> Arabidopsis thaliana

<400> 379

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40	cacaattttac	ggttacttta	accatcagtc	tctatatgct	cactcatgag	caaaagtttt	180
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	agaccaccca	agaatcctcc	tgcgtttgat	ttcaagaact	cgtagatcgg	cgctgtgctt	360
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	tttgatgatg	tcaaaccaca	tcttgaagca	acattgacaa	tcaacataac	tttccccttg	600
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55 <210> 380

<211> 931

5 <212> DNA
<213> Arabidopsis thaliana

<220>

<221> misc_feature

10 <222> (1)...(931)

<223> n = A,T,C or G

<400> 380

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	gtctcccatt	ggcagccgat	gtctcaacga	tgttcttttt	ggatcagggt	actccaatct	360
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	ncgtncntnn	nnaagcattt	cattatcgaa	agatcctacg	attcccataa	cccttgctag	480
	caaactggct	ggcgaatcat	tctggaagag	aacgttgcct	gtacacagtt	cagccaaaat	540
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	tgctcgatat	gaccttgact	ggacatagga	gcatagggtg	tctgtctcga	aacagctact	660
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	gatagtgatt	gactgcaatc	ttggcatcgt	gaaataaact	tcaccacctg	attctctggt	840
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<210> 381

<211> 931

<212> DNA

<213> Arabidopsis thaliana

35

<400> 381

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	tacgagctcc	ttgaatgccc	tgtctgcacc	aattcaatgt	accacccaat	ccatcagggtg	360
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	ccagttttaca	tggcggtttc	gagattcatg	ggcgatgaag	atgacgcacg	aaactataca	480
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	gtcagagata	gtcacaggaa	agtcagagac	agtcatgacg	gtcttataat	ccaaagaaac	600
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	atctggaaag	agcaacagaa	tccagattct	ggtgtttgca	taacctctat	gtgtagtagc	720
	tgaatcaaaa	tcagccaacc	cttcaaacct	atcttaaggt	gttcgttcga	tttcttcaat	780
50	tcgattttgt	ttcggttttg	tgtgttgttt	tggtccagaa	tccagatagc	ttctttacat	840
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<210> 382

55 <211> 931

<212> DNA

5 <213> Arabidopsis thaliana

<400> 382

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	gtagagacaa	atctttgttg	aattgctctt	gaagagagct	atcagctcct	tcagaacctg	420
15	aaccaattgc	ctttgcattg	cactgccaga	atgttcctga	aggatcagtg	tagtacaagc	480
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	cttcaatggc	atattccact	tgaaatagcc	ttccttctgg	agaaaaagtg	ttcactcctc	900
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25 <210> 383

<211> 930

<212> DNA

<213> Arabidopsis thaliana

30 <400> 383

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	cttctataacc	taatttgacc	catttttttta	tttagagact	tttttttttct	actggggaga	180
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	gaaagctttt	ggtcctcacg	caagcccagc	cacagacacg	atatcctcgc	catcgcagcc	360
	tgccccacca	ctttcacccg	gtacaccatg	ctcagatctg	cagctgccgc	ccatagctca	420
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<210> 384

<211> 930

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

5

<400> 384

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	acagaaccat	tcttcagtgg	agtttgtctc	agcggttctg	aagagtctcg	attgcctttt	180
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	tcttgaaatg	tgaagggcta	gtgactacaa	cgttgaggtc	attcgagtta	tcagaccata	300
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	tgagtattag	ctgcaccttc	ttgctcgtaa	ttttctgaag	cttcttcacc	gctgatataca	420
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<210> 385

25 <211> 930

<212> DNA

<213> Arabidopsis thaliana

<400> 385

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<210> 386

<211> 929

<212> DNA

50 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(929)

55 <223> n = A,T,C or G

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 ttcagacctc aaagagttga ctttttggtt gcattaggag ctttgacata agcaaccagg 180
 gaagaatctc cgggttctagt caatgtcttg agctcgtagc ccaaccaaca cctcgaactc 240
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<210> 387
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 25 <212> DNA
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<220>
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 30 <222> (1)...(929)
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<400> 387
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 40 taccttcaga attgggtcta ccctagctcc aatctcgtag atctcgtcnn nnatctcagc 420
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50 <210> 388
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 55 <220>

5 <221> misc_feature
 <222> (1)...(929)
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<400> 388

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<211> 929

<212> DNA

30 <213> Arabidopsis thaliana

<400> 389

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	agatatcata	ttgagtgata	ctgaagttgg	tcaagatgat	cgtttgattg	ttgatattga	240
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50 <210> 390

<211> 929

<212> DNA

<213> Arabidopsis thaliana

55 <400> 390

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<210> 391

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25 <213> Arabidopsis thaliana

<220>

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30 <223> n = A,T,C or G

<400> 391

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	gtaccaatca	nnntattcat	tatttttttt	agtagaatat	ttggatgttg	aaaatataaa	900
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50 <210> 392

<211> 928

<212> DNA

<213> Arabidopsis thaliana

55 <400> 392

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	cccattactc	cgattccagc	ttccatggat	gatgaaacca	cgaatctggg	ttttgggtgat	840
	gatttgatga	gaagtgaaga	ggatttcgcc	gggaggaaa	tgaggagtga	gagtgaagag	900
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<210> 393

<211> 928

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25 <213> Arabidopsis thaliana

<220>

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30 <223> n = A,T,C or G

<400> 393

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	gaagcagcga	cggcgatggg	ggggatgatg	aagtggccgc	ccccgccgaa	ttgaggaagg	660
	ggatgtttta	caggaggaga	aggaggttca	gaggaggagg	gagaagtgat	ggcgaagagg	720
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	tgatgcatct	ggttacagaa	atatgctttc	actaaactcc	ccatttctct	ctttctctgt	840
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50 <210> 394

<211> 927

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55 <220>

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5 <222> (1)...(927)
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<400> 394

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<210> 395

<211> 927

<212> DNA

<213> Arabidopsis thaliana

30

<400> 395

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	cattttatagt	tgtcgattta	tgacgtttct	tggaaacatta	ggatctttgc	tcggatcgggt	360
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<210> 396

50 <211> 927

<212> DNA

<213> Arabidopsis thaliana

<400> 396

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20 <210> 397
<211> 927
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25 <400> 397
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aatccttgcc tcgccgatga ctcaaaggcg tgggtgattat tgtgccaact ctctccatt 240
30 gtaaataagc ttagccacca aacgttacga gatgtgtctt tagtcttcca tgatctcgaa 300
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aaccgtaatg cttccattt gtagttaaat ggtgccaaaga gacacaaaaa gtgcacattg 840
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<210> 398
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45 <212> DNA
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<220>
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<223> n = A,T,C or G

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caatcatggg acacgaaaca atgacgccgg caacaacaac gtcctgtgtc acgtacggaa 180

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	gagtcctttt	cctcctcaac	aaacctggat	cgggctatca	cgtcaacggc	gagcttttacg	360
	cggttttctcc	tcgcggtctc	tctcgtctcg	acgagctcga	aggaatcagt	cgcggtcatt	420
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20 <211> 926

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<400> 399

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15 <212> DNA

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<212> DNA

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<400> 402

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<223> n = A,T,C or G

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45 <213> Arabidopsis thaliana

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50 <223> n = A,T,C or G

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20 <213> Arabidopsis thaliana

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<223> n = A,T,C or G

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<212> DNA

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<213> Arabidopsis thaliana

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30	agaagaagga	atgatagact	tcataaatga	gaggaaattg	atggatttgg	tgaatagctg	600
	ggactatggt	ccctcttatg	aagacaaaaga	cggtgatttg	atgctcgtcg	gcgacgttcc	660
	ttggccaatg	ttcgtcgata	catgcaagcg	tttacgtctc	atgaaaggat	cggatgccat	720
	tgggtctcgct	ccgagggcga	tggagaagtg	caagagcaga	gcttgaagtc	aaattaaaag	780
	gataagtggg	atcgattata	tatttgatta	acacattgat	tgggtgttaat	tgctcttttt	840
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<210> 418
 <211> 921
 40 <212> DNA
 <213> Arabidopsis thaliana

	<400> 418						
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50	gagtattggg	agttcttgat	gtttggaact	catcaataa	gtacaagtca	cctcccgtat	420
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	gagccagaaa	acgatcaaac	caccaagaat	ttccacccaa	ttcttccatt	atgagcaagt	660
55	gatgcatttc	attccagctc	tcagcaaaagt	gtactttcaa	ataatctgct	ctcctccacc	720
	aaccaaagg	ctcatacata	tgtagcacag	acataaacgc	aaaataaggc	actctagcaa	780

5	ttgtctcaag aacaaagaac cttgcatatg ttcgggtcacg atacaaagtg tcaagtatct	840
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<210> 419

10 <211> 920

<212> DNA

<213> Arabidopsis thaliana

<220>

15 <221> misc_feature

<222> (1)...(920)

<223> n = A,T,C or G

<400> 419

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	gaagccctct catctcttcc tccattctca tcttcatttc ataaaactct ctctgccctc	180
	tctgcattgc ctctaactcc tcgtacctcc tcctccttct ctctgtgca tcctccatac	240
	tcaacttccc cattctccga ttgtactctt cttctatctt ctcttcttc gctattgcta	300
25	ttcgtttcag tccctctgct tctcttcgtg catcatcggc ccgcccttgg aacatttctg	360
	cctctgcttg cttcattctc acaatgctct ctagtctctc gaaacgaggt tcctttggtg	420
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	tcagccacgc cgtgtcctga ctagggcttc ccctctcatg nnnngggttt ggctgttcgt	600
30	atatgaacgg tgcactagtt tcagcaggag tggaggaatc acagtctgaa atgaaacca	660
	atatgcgatt gcaagcttca ggaaggccta tcaatttact tttcaaactt gccagcatcg	720
	catcagcagc ttgtctcagc tgtttccctc tagagtcttt gcttgatgaa aatattttat	780
	tgacatactc cagttccttg caaaagcgct caaatttcca ttcccttgca aaattcagaa	840
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35	gcattctcggc ggacgcgtgg	920

<210> 420

<211> 920

<212> DNA

40 <213> Arabidopsis thaliana

<400> 420

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45	acaaggggcg atacagatgt aacgtggaat gtagaaagtg ttttatatag cagaataact	180
	gaagtcaaca ctatcatcat tggagacgga aggagaagga gaaggagact cagcagaagc	240
	agtgagtacc acaaaggcac caaagagaat agtgataatg gccgtgaagt tgataagaaa	300
	tgcttcggat ccatacttgt caagccctcc attctccaag aaagtcagct tttccagaaa	360
	ccctaaagct gcattcccga cagcaagtat gtaaacaac aggccaagca ttgctgcca	420
50	cggaagcaat ccgcttttca aatttgttga tcctcctggg aagaagaaca ctatgaagct	480
	gtacaccac tggaagccat aaagagaaat gactccaata ccaatccagg aatggagact	540
	gtagagatta gggatatggc tttcattgtg gttcttaaag gctgcacaga tgccaaatat	600
	cccaagagcc agagcaatgg catggagtat aaggtggatc aacttcttca ctggtttctc	660
	cagcggaagc gatttgtaac ttatgatggc ttctcctccc aagattataa atccgatgag	720
55	catcagaaca ggatgcagat tgaagatgag attcttggtta gtagcttccc aggccaatcc	780
	acctctgtaa ctgatactcc aaaccagtac cataatcgcc gctattaccg ccagcgcgtg	840

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actgtgttttc tttcttcttg 920

<210> 421

<211> 920

10 <212> DNA

<213> Arabidopsis thaliana

<400> 421

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atttttacat tcattagttg aaagggataa caatatcgcc aatggtgttg tgccatggat 180
ccgccaagtg agttgccaag ttctccaatg gtccgtgccc cgggtaagcc gactgttgca 240
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20 acttcttctt ctcagggtct ttctccatac ttctctggtg ctcaacaaat gcaatggcta 420
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25 caaagtcacc aggagcagaa ccgtcaaggt aagctggctg tggctcgcca ggcattcagt 720
gagcagccat tctgatacga ccaacattcc cggcggttgg gagtggaaact ccggcgata 780
cgaattttaga cttggaagaa gagagaagcg aagggtacac ggcggctatg ccacagctca 840
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<210> 422

<211> 919

<212> DNA

<213> Arabidopsis thaliana

35 <400> 422

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attgaaatatt tatctaaccat gcatgtagta tagaaggcgg cttcagtgat gtctaagcaa 180
40 accgggagga acggaagagg actggtttct tcattagcgt tgcaggccag ctttgatgta 240
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45 accaatagca cgggcacgga ggaatgatcc ggtagcaca ggctcctgca tcagtaccag 540
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ctcgtactta acctttccac ctttgctaatt ttcaacaaca cagttgaaaa cagtaggagc 720
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<210> 423

55 <211> 919

<212> DNA

5 <213> Arabidopsis thaliana

<400> 423

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10	tagcatatac	actaagcaat	tacgagctgt	tcgattacat	tcaaggcgct	tggaaactaag	180
	tttggcggtg	aatgattaca	ccaaagcaaa	gataactgaa	agaattgagc	catggattag	240
	aagagagctt	caggcagtc	ttggagatcc	tgatccctca	gttattgttc	atcttgcgtc	300
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15	ttggcatgaa	ctaagatgtt	ttgaggagag	tatactcacg	atggagactt	atgatgcagt	480
	ggttgaatac	aatgaggtgg	agtaatagca	gtaaaaaaaa	cagataaccg	agcactatgc	540
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	aatagtggaa	agactggacc	aagtaagaga	aaccaagagt	taaagagtag	gtaggaggaa	660
	gatgttgaga	tgatgcaagt	ttagggtgtg	agttagtttt	gagatagcta	taggtgggat	720
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25 <210> 424

<211> 919

<212> DNA

<213> Arabidopsis thaliana

30 <400> 424

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	ggccggagtt	ttcaaaaacgg	ttacgtttct	tgttttgggt	ttcgctgccg	ttgttgtctt	180
	cgccggaggac	tacgatgttg	gtgatgatac	ggaatggacg	agacctatgg	accccgagtt	240
35	ctatactact	tgggctaccg	gtaaaacttt	ccgtgtaggc	gacgagctcg	aatttgattt	300
	gcgtgctggg	aggcatgatg	tggcagttgt	atcagaagct	gcatttgaaa	actgtgagaa	360
	agagaacccc	attagccaca	tgaccgttcc	tccggtaaaa	attatgctaa	acaccactgg	420
	accacaatac	tttatctgca	ccgtcgggtga	ccattgtcgt	tttgggtcaaa	aactttccat	480
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<210> 425

<211> 918

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(918)

<223> n = A,T,C or G

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ctgcatttag aaagtattag gctgttttagc ctgagagatc atctggacaa cctctctcat      180
10 ggtcgggtctc tcaacactat gttcttgcac acatagcatt gccacaaaga acagttccat      240
ggcctctgct aatggaatat tgctcaatct ctgggtcaatg atcttcacca caccttgtct      300
gttacagttt gtttggtatct ttgaccattg cacaatgtct atcccttctt ccccaaaatt      360
atctactggt tttcgaccgg taatcagctc caataacact actccgaagc tgtacacatc      420
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15 agcgatcgag gacatgcaact cggaagctcc attgtcttgc atcataaact tagcaagccc      540
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20 acaaaaagcg agcaatctca ctatgtttct gtgtctgatt ctacctaatg tctgaatctc      840
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<210> 426

25 <211> 918

<212> DNA

<213> Arabidopsis thaliana

<220>

30 <221> misc_feature

<222> (1)...(918)

<223> n = A,T,C or G

<400> 426

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tgaacaatga gcatcactact aaaaagtgtg aaaactatgg tttctgagtt ttgaaaatgc      180
tacaagaata tcataagatg agggagggtt atatcactta agtaactgtt gcagttatct      240
cacaaaagtg ttgtcgtcgt cgcgcggttt tagcggatta ttttaaaata caagagacgc      300
40 tgattcatca gtggaaaaca aatcctccgc ccgagtgttc aacttcctga ggagggggta      360
gagatgaaac ccaatctgat gcatgtgttg gaagaagccc caaagtgtta agcttcagga      420
cacccaaagc tagccctcca aggtttaggg caaggaacac taatttcggc ataagtagtt      480
ccactttgtt atccttgaat ggctcaaaaa tctttccaac actctgaaga gcatgatag      540
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45 tccacatcat gaaacccatc atcatcaaat tcttaaatgg agattgcgct acttcccacg      660
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cagtagattg atcggagaat tcgacggccc atctccgacc agtaccatc actgctttgc      840
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50 acctagatcg gattttatc                                     918

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<210> 427

<211> 917

<212> DNA

55 <213> Arabidopsis thaliana

5 <220>
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 <222> (1)...(917)
 <223> n = A,T,C or G

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 ggacgagcctt accaagtggg ctttatacag agccggtcatt gccgagttcg tagccactct 180
 cctcttcttg tacatcacccg ttttaactgt catcggttac aagattcagt ccgacacaaa 240
 15 agccgggtgga gttgactgcg gcggcgtcgg aatccttggc atcgcggtgg cttttggtgg 300
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 gatattctgg gtgggacat tcattnnagc tgcgatagct gcattttatc accaatttgt 840
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<210> 428

<211> 917

30 <212> DNA

<213> Arabidopsis thaliana

<220>

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35 <222> (1)...(917)

<223> n = A,T,C or G

<400> 428

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<210> 429


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5  <211> 917
   <212> DNA
   <213> Arabidopsis thaliana

   <400> 429
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    gccggcgaga aacaatgatt gcaaggattt ttcttgacg gcaccaagag ttttagtgaa      180
    ggaaataaaa ttgattagta acagaacaaa aaagaccgag acaacgactc actctgcttc      240
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15  acaactctgt catgtgactt gatcactccg gcttgcttcc catggtctag agccacttta      360
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25  ggctttccag ccatgtt                                     917

   <210> 430
   <211> 916
   <212> DNA
30  <213> Arabidopsis thaliana

   <220>
   <221> misc_feature
   <222> (1)...(916)
35  <223> n = A,T,C or G

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    taaaatcagt cattgaaaat cagaagacga tgaagatggt agatcaggat cttcaaactt      180
    attaaacctt ttccgagtcg ctgcatcggt gctaattgta atcccatgct gctttctacc      240
    atacgagtct tcgtttatgt aatcttcac ctcacatca acaacattca catccatttt      300
    catgttcatg tcttcttctt cttcctcttc ttcttcgtat tcatcatcac tatgtaagct      360
    aaattccccc ctacctacta atttacttga ttgcgcgcgc ccatcaaaat catcaatcgg      420
45  agccatgaca tcatcatcat catagtccct atactgaaac gatctccccg agctgctagc      480
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50  tgcacctcgt ggtggtttaa cagaaactgc cggtttcttg ccattgccac gggcacgagg      780
    ccggccacgt cctcgtgggt gtgcacctcc tctcccagag ctagacacac cacctaaacc      840
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55  <210> 431
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5  <212> DNA
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   <220>
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10  <222> (1)...(916)
   <223> n = A,T,C or G

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   caaaacacca aacaaaaaac agagaaagtg aaagcaagaa cataaacgat gatataaaaa 180
   ctacgatcct cagcctcttt cttcagtact tgtaatcctt aacgtgaagg ctctcagctg 240
   cacccttcacc gagcttagca tcacccttgt aagcaccaag tgttgcttca gagttagctt 300
   tgcattctgac caagaacgct tcttgagcct tcttcacatt ctctctttt cctccccaag 360
20  tcttcaaagt gctctgctgc aacgccttc caaaggagaa agacaacgac caaggcttct 420
   ttgtcttcaa ctggttcata gcgttaaggt ttcttgctgc ctcttcctcg ctctgtccac 480
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25  ctgcaagaac acgctctgtc accgnggcac acttctgaat gtcattgagag ccatcaacaa 720
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   ccaatccata agcgttctca tggatagcta actgagatgg ctcatataca ccaatcttaa 840
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30  <210> 432
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35  <400> 432
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   gtactttccg gttaacatcc ggtatactct tcttattcaa tctcaacacc gacactctcc 420
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55  <211> 916
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5 <213> Arabidopsis thaliana

<400> 433

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	ggattggcaa	gattttgtgg	gtattatctg	tctgcttggt	atcaactcca	caatcagttt	360
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25 <210> 434

<211> 915

<212> DNA

<213> Arabidopsis thaliana

30 <400> 434

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	tagttttctt	ttccgcacta	tcgcgcctgt	gctgccacca	cctccttccc	tgaaaggcat	240
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	tacatccatt	cctctcggtt	ttccaacggc	atcaaacctg	atttcaggga	atacaccttg	360
	gtctttcaca	ccaatactgt	agtttccgtt	cccatcaaag	ctactgggac	tcacaccttg	420
	gaaatctcga	gttctcgga	gggctaagtt	gataagacga	tccaagaagg	agtacattac	480
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<211> 915

50 <212> DNA

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<220>

<221> misc_feature

55 <222> (1)...(915)

<223> n = A,T,C or G

5

<400> 435

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	gcgaccacga	ccagacatcc	aaggcacagg	gctggatgct	cttgcacgtg	gtgcattcag	180
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	gaggagaagg	aagtgaacac	agcgagaata	gacctgaaca	gtgatccata	caataaagaa	420
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25 <211> 915

<212> DNA

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<223> n = A,T,C or G

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	ccacgcattg	ttagcaacag	ggttgtcaag	atgggtcaag	agattctcca	aaggaccttt	180
	tccagtaaca	atggcttgaa	caaagaagcc	aaacatagag	aacatagcca	atcttccggt	240
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<210> 437

<211> 914

<212> DNA

55 <213> Arabidopsis thaliana

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taaaaaaaaa aaaa 914

<210> 438

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25 <212> DNA

<213> Arabidopsis thaliana

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30 <222> (1)...(914)

<223> n = A,T,C or G

<400> 438

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ccatcaggca gcccatggta cggatccgac cgagtcaagt acttgggtcc attctctggc 180
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<210> 439

<211> 914

<212> DNA

<213> Arabidopsis thaliana

55

<400> 439

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	catcctaata	ataaagtaaa	caaataaatt	tgttggtact	atagtcacaa	acggttactc	180
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	agctccaccc	catttcagca	gattctcgga	atcaagagga	tcgttcttgt	actgagcctc	840
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<210> 440

<211> 914

<212> DNA

25 <213> Arabidopsis thaliana

<220>

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30 <223> n = A,T,C or G

<400> 440

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35	ttgaaacgat	ttttgggat	caataatata	ttaatgatta	gctaataagg	tatgtgacgt	180
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50 <210> 441

<211> 913

<212> DNA

<213> Arabidopsis thaliana

55 <220>

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<210> 442

<211> 913

<212> DNA

<213> Arabidopsis thaliana

30

<400> 442

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	acctcaaggg	cgtcgtgacg	gagatcatcc	acgatcctgg	tcgtggtgct	cctcttgctc	180
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	gtggtgtggc	tatgaatcca	gtggagcatc	ctcatggagg	aggtaaccat	cagcacattg	660
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	caaggaggac	tggtcgtctc	agaggtcaag	ctgctgcttc	agctgccaag	gcagactaga	780
45	gttaaaagag	ataaaactttg	tttctcttgt	tttctatgtt	tcaagttttg	ttgtctgtgt	840
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<210> 443

50 <211> 912

<212> DNA

<213> Arabidopsis thaliana

<220>

55 <221> misc_feature

<222> (1)...(912)

5 <223> n = A,T,C or G

<400> 443

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10	ctcctcgggc	acctcctccg	agaccactga	tcagaattgg	gttaccggaa	ctctagcggg	180
	tatgggtagt	atcaccactt	gggcagggtt	cttcattcta	caatcgttca	cgttgaaaaa	240
	atatccggct	gagcttttcg	tagtgatgtg	gatttgtgcc	atgggaacgg	tcttaaacac	300
	catcgcttcg	ctcataatgg	tgcgcgacgt	aagcgcattg	aaagtcggta	tggactcggg	360
	cacacttgcg	gctgtttact	ccggagtggt	ttgttcgggt	atggcgtatt	acatacaaag	420
15	cattgtgatt	agggaacgag	gtccggtttt	tacgacatcg	tttagtccta	tgtgcatgat	480
	catcactgct	ttcctcggcg	tgtagtcttt	ggctgaaaag	attcaccttg	gaagtataat	540
	cggnnccgann	nttatcgtct	tcgggctata	tagcgttggt	tgggggaaag	ctaaggacga	600
	agtgatatcg	gtggaagaga	aaataggaat	gcaggagctg	ccgatcacca	acacatcgac	660
	aaaagtggag	gggtggtggt	ttaccagtga	agtaaaccgaa	gggtgtgacta	acaataccca	720
20	agtgtaaccc	caataaagca	attaagagaa	atTTTTgaag	accaaatttc	caagaaagga	780
	aatttgtttg	tctttcttgt	ttgtnttatg	ctgtttacat	tttcaagtta	tctgtgttga	840
	ttcaactata	taacgaatgt	tgtatatattt	ctgtaattgt	cgaatatcac	ggaagttgaa	900
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25 <210> 444

<211> 911

<212> DNA

<213> Arabidopsis thaliana

30 <220>

<221> misc_feature

<222> (1)...(911)

<223> n = A,T,C or G

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	aataaattat	atgtatttgt	atgtgtttgt	agaatgatac	aataaaaaatt	taaccgaagt	180
	agttgtttctc	actttcaatg	ttgccgtatt	ctaagtctct	tgtggttggt	tgagagaaaa	240
40	cacaagaaga	tggagaagga	ggatgagccg	ttgtagggtg	tgggtggagt	gttgggtcttt	300
	gtggtggtgg	tgcaatcacg	gaaacaccgc	cggagttgtg	aaatccggca	acttgggagt	360
	tggaaggtac	gatcaaagtg	gcgacagctt	ctcgttgctt	gtacttaaga	atctcggatc	420
	ttacggccgt	gagctcggct	tgtaaagctg	gacttggtgt	tgtagagctg	agatggctcc	480
	catgcatccg	tacaccggat	ctcttagcct	cacgtttgct	tcatacacia	ggctattcgc	540
45	ggcatctgct	ctctggctcn	caggacttct	cattagcatc	ttggagacgt	tactagctcc	600
	aaagactttg	tggacggaag	cgaacttatg	aggctcgtgt	ggggagaaat	atggcgaaaa	660
	gggacattct	tgagcacatc	tacggcgcaa	aagcttgacg	gcagcacaag	gcgtaatggt	720
	attgaggggt	ccgggaggac	ccgacattgg	tcttctaatt	ccagccattt	gatgaggcca	780
	agcatctgct	tctcttttga	tcttcttccc	tatctcttca	aatctctccc	tttctcttga	840
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<210> 445

<211> 911

55 <212> DNA

<213> Arabidopsis thaliana

5

<220>
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 <222> (1)...(911)
 <223> n = A,T,C or G

10

<400> 445
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 ccaagtaata gtaaaacaga cacaactat atatggaaca tgtggacaat gaaactagtt 180
 15 cgcctttcct tgtttccctt ttatcagacc atcttgact tgggatgtga cggcaatagc 240
 tgataacaag agataagtga tgaggcgaat ccgaaagcac ctgtgactcg ggnnntgact 300
 ttctttgggg ccaattgaag caatccgaaa gcaacaacta catccatccc tgctttgatc 360
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 ttatccttgt tccctatctc tttttctaac ttcttaattg atgctgacag cctaccaagc 480
 20 tccccaacct caaccaagga tgtgcaaacc gaagaacca tccaacagaa aagtgatata 540
 cgtccaagaa tctcagcacg ttctttgtcc ttgtaaattc cagtcctgcc aagccacaca 600
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 ttgaagagac ggaaaacttt cctagccaag ctggtgttct tgtcgacatt ttgagcagtg 780
 25 ccagggttggc catcactcaa gaacttgga ccatattgaa tagctcgaca aatcttgtct 840
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 <211> 910
 <212> DNA
 <213> Arabidopsis thaliana

30

<220>
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 <222> (1)...(910)
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35

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 gcttgtttca gatgaagcgt cagagcatag ttattcacct cttaaagtct caactgttcc 180
 tggattgag tgactagctg cctcagatgc tgcaattcct gactttgggc ttccgattct 240
 ctttgccgct tctgctgtgt cactaccgct cgtttcagta aactgttttc ctgtacaata 300
 45 gcttctaatt gctgcttcag catcatgttt tcctggtgga gattttgcat tgcgtcagta 360
 ccagtacgtg cattaattga cttctccaaa gcttnnaatg ctcttgacgc acgggctttg 420
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 tcgattgccc tctcaagaat ctgcttatcc atatcgggga aaatcgcggc gaggtgatcg 720
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 aagcaacgga gtttcttgga gacgggagga gaagcgcgcg ctaagtctc gaacagagat 840
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 atctagggat gtcaaggcaa actcgtttta tagcttaggt gtatgaacat tctgtttatt 180
 ttgagagcca gtagatgatt agaaacaacg tacaagcagc gatgacagcg gagaggataa 240
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 tgtctccgag attttttact ttcccttgaa catctgaaaa cagagatcgt tgagagccaa 360
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 ggattgaagc tctctccctt aacacntgca cacctggtga catactacca gaagccttat 480
 attcacttat gtcacccctg acagaactca gaagctcagc gtgttctctc aacgagttta 540
 25 tatttcctttt tattcttcga aactcctggg tatattcatg aagtatatcc ctgtgccttg 600
 ctagtttttg agtaaccgat gttgtgggtg cagcagatgc agcacatcta ctcatggaat 660
 cattaatatc caacaacttc tcaagcaacg attgaatttc catctccata gacttccatg 720
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 cgcctagctt agcgtgaagaa gagagcttaa cgtctagatc tccttcaatt ttacgagctt 840
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<210> 448
 <211> 910
 35 <212> DNA
 <213> Arabidopsis thaliana

<220>
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 40 <222> (1)...(910)
 <223> n = A,T,C or G

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 tgagttgggtg acagattcag acaaagtact tttgaacttg ctttcatatc ctctacacgc 180
 tacattgggt agccctgaag ctaagcctgc tgtggaagac aaacttcatg aagtagcagc 240
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5 aacaaatggc acaaagaaat ttgtagatta taatgtatca gcaaagcaaa cttaggaaca 840
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10 <211> 910

<212> DNA

<213> Arabidopsis thaliana

<220>

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<222> (1)...(910)

<223> n = A,T,C or G

<400> 449

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aatgaaaaga gacaaataga ggaagcaatt tttgnnnnng ttttaagggtt gagcaagnnn 180
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30 atccttaacc ggcgccttca tctgctcaac aacctcctgc gaaagcgtct ccggaactct 660
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<210> 450

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40 <213> Arabidopsis thaliana

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45 <223> n = A,T,C or G

<400> 450

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50 tcgacttttg tctatctata cggatgattt gttctcatcg aaatgggttg aaatggattg 180
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cattgctgaa atgaagaagc taaaggttct gacaatcgca aatcacggtt tttatccagc 300
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55 atcatttttc atgtgtagtt tcggtgaggt tttctacgac acagaagata tagatgtctc 480
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5 <213> Arabidopsis thaliana

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10	aaaagtaaca	gaaacataga	tgctgcagaa	atcttctgag	gagaagcttc	aacgcctcag	180
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	ctcagatggc	agaaaatcat	tactgcaac	ttccttggtc	tcgtttttct	tgtagtcttc	300
	gaagaaacga	cggatttcag	agagacgggtg	aggaggaagt	tctttgatgt	cagtgtagtgt	360
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<211> 908

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<213> Arabidopsis thaliana

30 <400> 456

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20 <211> 905

<212> DNA

<213> Arabidopsis thaliana

<400> 458

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	ccccaatata	tatataaagt	ttatatattat	ccttccaacc	aatcaaagat	gcatgtacta	180
	taattacatc	atcacaccaa	cccaaaaaca	ccaaaatggg	ctaaatttta	aaataaaaag	240
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30	ttagccataa	tgggttggtt	agtgtaaacc	gaaccacccc	aatgattaac	attactcatc	360
	atattcatat	catcgtaata	tccgtcgatc	ccaaccgtac	gatcatcaaa	accacagccg	420
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	agagattgga	gtctggtgct	aagctcctcc	atctgagcgg	tgagaacaga	gttctcggct	540
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45 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(905)

50 <223> n = A,T,C or G

<400> 459

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	tgtannnnnn	ncattagtga	gatctctgcc	tgataacttc	tcctgagatt	ctgtcgcttt	420
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20 <212> DNA

<213> Arabidopsis thaliana

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	tttaccagat	taccagcgac	cggacttatc	tcattaaagg	ccttgtagca	tccgaataac	240
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<210> 461

<211> 904

<212> DNA

<213> Arabidopsis thaliana

45

<220>

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<222> (1)...(904)

<223> n = A,T,C or G

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<400> 461

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	caggtttctt	ttagggcctt	aagttttctg	taacctttat	cggtgccaaa	gatccagtc	240
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<212> DNA

20 <213> Arabidopsis thaliana

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25 <223> n = A,T,C or G

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	aacatcgatg	gtccgggtaca	aagcaagaca	aagaatcagc	gcaaaaagcag	ctcttgctca	360
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<212> DNA

<213> Arabidopsis thaliana

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	ttcaaaaaat	aacaaagatg	agaccaactc	accaaagaca	accacgcacg	ttcgtttggt	180
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	tagaaaggca	gagatatatt	cttatagttc	tcagttaaag	taaaagaaga	agagagaaag	780
	atgttttgag	tttctttgtt	acgcatacag	aaaaagtttg	gttagtgtat	aagtatatgtt	840
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<211> 900

20 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

<400> 470

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	atgctaagcc	accttggtgcg	actgctggag	caggtaagta	cgagggtaca	gaatctgcag	300
	cgagccacgg	ttgtgatata	ccattaagga	aggcttgtgg	tgtctggata	tnnngcagtg	360
35	ccccttgtaa	cgaactcatg	tccaagaaca	tgatcatttg	gtcgaactca	gaatcatagg	420
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	tgggttgtttg	ggtgccatca	ttgcttaatt	cctctaaaac	ttgtgattcc	aaatgctggg	600
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	caacatcttt	tagaacattc	gagagatctt	cctgccatgg	acttggtatc	gacaaagcat	780
	gctgggtccac	agttgatgga	taggggtggca	attgcatgct	tgtgctaggc	tgtagaatct	840
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45

<210> 471

<211> 899

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

<222> (1)...(899)

<223> n = A,T,C or G

55

<400> 471

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	aatcatcaag	attacacact	gattttctcg	taactatata	caatcttccg	gtccctttca	180
	ttttcctcca	aagccaaagc	agcaacatga	ggaagtgttg	ttcgggttac	gggagctttg	240
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	gaatttaggc	accactgtga	ctttttcagg	actttcatca	gctctaaggt	tggtaggttt	420
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	actattgttc	tgagaagctc	ttccttgtct	tttggttagca	gcttcatttg	atgaaccacc	540
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	gtttccaaat	tttggtacat	tcgaacgtgc	catgggagag	aggtagctaa	agaattgaag	840
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<211> 898

<212> DNA

<213> Arabidopsis thaliana

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	acgcaggaat	agaggaagaa	tttggatttg	atctttaaga	tctcactcat	tcttgattac	180
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	gacatggggg	tttctacaac	aacggtttgg	gtctgagagg	gtgggtgtga	agttgatgta	300
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	atactaacgt	tagttacgaa	ttgacaaaca	gcgcattcga	cggatgatgc	accgtaagga	420
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	gccatgtcgt	gaggtggagg	aggaggagga	accatgttga	tagtggttaca	taacgcacaa	660
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<211> 898

45 <212> DNA

<213> Arabidopsis thaliana

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	aatgtctcta	ctggtttcgc	cttgtgctga	caagatttga	acgccgagca	agtgttcaat	240
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	ctctaactct	gcagctactt	ctttcatcct	tggcctttcc	tctcccatta	gccttgata	360
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5	atTTTTtggg	caatgtggtc	tttcgaaaca	caatgccttt	tgacctgaga	gcagttccat	540
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10	tgcaagactt	cctgctactt	ctgttgctat	cctcagacgg	tgctcccatg	taagtgaaga	840
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<211> 898

15 <212> DNA

<213> Arabidopsis thaliana

<400> 474

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	aggaaaagca	aaaataaata	atgatttgag	aatgagagaa	agagaattta	aaaccaatct	240
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	gaccggaccc	tgaaggtcga	atctcctcca	tcatgttaac	cacttcctcc	attgaaggcc	360
25	tagaatctgg	atgcttagac	acacatgcc	ttgctatctg	caacatctgc	accatttctt	420
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	cagatgcaga	atggatgtga	gaaattcccc	tcgcagcttc	caaacagatc	cttaaccttg	840
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35 <210> 475

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<212> DNA

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<223> n = A,T,C or G

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	aaactttttc	atttcagtac	gaataacttc	tcttagaaaa	atgactacaa	aatcttgaat	180
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	catctaagga	ttatgccctg	taaccttata	cttcacgaat	acaatttatc	gacaaaaaga	420
	ctgaaactct	agctaaaact	catcctccta	attgaaatca	aatatctcct	aattccaaat	480
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	gatttggaca	agcaatagat	caaagcaagc	ttctttgact	ccttaagaca	atgaaagcta	660

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 aaacaacaga ctctgattat attcaacact cccaaggaat taaacccaaa atcaaaacat 780
 gatctttctc tgcacaaaaa cgggaaaaat aaaaacttta caacaacaaa tcagaaaaac 840
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 45 cagcgtccgc cgttataaac gtggtttgag atttcttatt agaaactcga gatcggcggt 480
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5 <213> Arabidopsis thaliana

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	tatagaggag	gttggttggc	ttttcactgg	cgggtgttggc	tccctcagca	acgtcggcca	180
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<210> 480

<211> 895

<212> DNA

<213> Arabidopsis thaliana

55

<220>

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	atgcacgtct	cgtgtatatt	ataagctttt	tcatgcaaaa	tgtattttac	gtagttttga	840
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<211> 895

<212> DNA

<213> Arabidopsis thaliana

30

<400> 481

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<211> 895

50

<213> Ara

<400> 482

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5	tggggaagat	gcgggcaatg	tgttccaagg	gaacattctc	acctgtat	ttcttgagct	240
	ccggatgggt	aaattcattt	tgtggttaaga	caatacttcc	accctcttcc	tcaacaatcc	300
	atccactgtt	agtcacttgc	tgtctgatga	atttgtctag	agatgcacca	tccatgttaa	360
	cagcctcagc	cagcactgat	cttggaacct	tttggttagct	taagctaaga	aggtgacttg	420
	catatgcttg	aatagcttgc	tcaaaacctg	gaacagcctc	gagaatgtga	cggttcttgg	480
10	cagcttcac	ccagaactgt	tggaaacctcc	cagtctcaag	gtagtgtgat	agaacaatta	540
	gtgacttgaa	ctgctcctcc	atttgcactc	tttcgggaat	caagaagagg	caaaggctga	600
	agtctggagt	tggcatagcc	ataagagcct	tgaccaagat	tcgagccacg	atatgagtgt	660
	tcatgcgctc	aggctcaaac	tgatagagcc	gaagcaagca	taggtttact	tccagactat	720
	acgtttgcga	tgtaacgtta	acgtagtgtt	cgagatcagg	caggatttca	gggttgaaag	780
15	gattaagggc	gacgagctgc	tcaacgggtg	aagagctctg	ttcctgcggc	gattggatct	840
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<210> 483

<211> 895

20 <212> DNA

<213> Arabidopsis thaliana

<400> 483

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	agtcctcaaa	tgaattggta	aaggaaagct	ttaatctcat	caatataagg	agactttgta	180
	ggaatgatgt	ggccaaaatc	gtgctcaaca	atgggtggcg	aaccatcttc	aaacaacccc	240
	gccaggtctg	agctggcttg	agtcacaatt	tgtctgtctt	ttccaggctg	acttccgaat	300
	atgtgaagtg	aagggcattt	aatcgatcgt	ttctccttca	tctccaacaa	tggccacggg	360
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	ggccctttct	cttcaaattg	cgtcttcaag	tatgtcaacg	atcttatcaa	cccttcagtt	540
	tgagtctgat	actgcaatgg	atcgaactgg	cattggggcca	ctgtccagcc	tgtttcactc	600
	ggttttacaa	aatctgatga	caccaaccac	gcaaacttct	tattgcatgc	tccggatgga	660
35	ggggtagcag	tttggtagat	gaactgtaat	tcgtgtgggtg	catcgatgaa	cacaagctcg	720
	gcaatattct	tcagtttctt	tgctagtgat	ccggtcctcc	ctttaaagct	agacgcgttc	780
	tgccataaat	catgcaagca	caagatcctc	agcttccgtc	ttgtattgtc	accattgctt	840
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40 <210> 484

<211> 894

<212> DNA

<213> Arabidopsis thaliana

45 <220>

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<223> n = A,T,C or G

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	tccgggggaa	acaaatanna	aaactcagga	gagttattta	agataagcaa	annangatac	180
	atcttaaact	gatgccattt	cgtttttcag	tttcatgtag	acacaacctt	cttcaccact	240
55	tttgtaacct	cttccggggc	cttctctgcc	ggtagtttca	ccagattctc	cttcttcgca	300
	taatagtcaa	ttaccgggtg	cgtctgcttg	tggaatgcat	ctagccttga	tctaagaaca	360

5 tccgcattgt catcttttacg ttgaatcaat ggctctccag tcagatcatc gactcctgga 420
acttttaggag gtgcgaattt agtatgatag cttcttccac ttgaagggtg aatccacctt 480
ccagtaattc tttcttcgag aaccgaatca tcgatcgcaa aattaagcac cttatctatc 540
tgagctcccc ttctattaag catctcatca agcttctctg cttgagtcac agtccgcggg 600
aaccatcaa gaatgaaacc tttctgacat ttgggtctgt tcattgcttc atccatgata 660
10 ccaacaacca agtcatcaga aacaagctct cccttatcca ttgcttcctt tgccttcaca 720
ccnagaggag tcttagcagc aacagcagct cnnngcatgt cannagtaga caaatgacac 780
aaacaaaact catcctttat gaccggagac tgtgtacctt tccctgaacc aggtggaccg 840
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15 <210> 485
<211> 894
<212> DNA
<213> Arabidopsis thaliana

20 <220>
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gtttccggtta ctagtgactc ttaccatcgc cgtcatgtct tccgtgaaca tcgtcgnnnc 180
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30 gcttcgtttt tgnaagaag atgatccgcn gatttcagaa gttttcttct tctgggtttt 300
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cttgtagag aagttagatc ttcttcttcg tgagctatgc catttacgat gaagatccaa 540
35 ccgattgata tcgattcttc accaacgta gctagagctg aatcaggaaa caaacgggtg 600
ctcaaacttc gtctcaaacg tttgtttgat cggccgttta caaacgtatt gagaaactca 660
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gaagaaaaca acgagaaaaca agctaaatgt ggacgtaatc gttgtaattg ctttaacggc 840
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<210> 486
<211> 894
<212> DNA
45 <213> Arabidopsis thaliana

<400> 486
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50 attgattggt atcctggaaa atgcttaact cagaagattc ttaagaagaa gcctaagaaa 180
ggtgcaaaga atgccaaagg aattaccaaa actgaagatt gtgaaagctt cttcaacttc 240
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cttcagaatc tgatggaaca agattatgac attggttcta caatccggga gaagatcata 360
cctcatgctg tctcatgggt tactgggtgag gctattgagg gagaggagtt tgaaatagac 420
55 aatgacgatg aagatgatat cgatgaggat gaagatgagg atgaagaaga tgaagacgaa 480
gatgaggaag aagacgacga agatgaggag gaagaagtaa gcaagaccaa aaagaagcca 540

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	cctcctgaat	gcaaacaaca	gtaaacaaaa	tcgaaaagtc	taaacgaaaa	ccagtaaaag	660
	aaaaacaaat	gttttggtt	ttgagtgaag	tttcatggcc	tagttttttg	cttccatgta	720
	aggcaaaatg	ttttgaagac	tgctcatagg	aatggtgctg	taggcaaaag	agtgagtttc	780
	tccatgtgga	gatacttgat	aaattatttt	tggtgcattt	gttttttttt	ttttttaatc	840
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<210> 487

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15 <213> Arabidopsis thaliana

<220>

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20 <223> n = A,T,C or G

<400> 487

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25	taaactttca	attaagtaga	gcagcaacct	cttttgccag	ctccagatgt	gtcttcaacg	180
	ttaatcgttg	ttccttgccc	cggaaatggca	gaattagcag	ccgctgcttc	ttgagcagcc	240
	aaagcttttt	tgctgatgat	gtggtaaata	tctgctaaca	cggtttgaaa	tgctttctcc	300
	acattggtgg	cttcaagagc	agatgtctcc	aagaaagaga	gaccttctgt	ctcagctaga	360
	gtctgtccat	cttcctccgc	aactgatctc	aagtggttta	gatcagcttt	gttcccagcc	420
30	atcatgatca	caatgttgga	atccgcattg	tctcttagtt	cacgtagcca	cctcagaaca	480
	ttgtcaaagg	tttgtctttt	agtgatgtca	tagacaagaa	gtgcacctac	cgctcctctg	540
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	ttaacagctt	ttccttcaac	ctgaagagtt	ctgggtggcg	attcaacacc	aatagtggac	660
	ttagattcca	aacaaaaatc	attccnngtg	aatctagaca	agatgtttgt	tttcccgaca	720
35	ccagaatcac	caatcaacac	gatcttgaac	aaataatcat	aatcctgttc	tacctatgc	780
	gccatttttc	ctctttgatc	tcaccttttg	ttttttttcc	tggaataatg	gcggatgaat	840
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40 <211> 894

<212> DNA

<213> Arabidopsis thaliana

<400> 488

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	agaggaaaga	agatgaccat	tgaaaacaaa	tagtgtatcg	atgagcggct	tttctatcca	180
	caagttcgcg	atcctgtatg	ttactggcca	atactcccca	agagtcgttc	tacagcagcg	240
	ttaacgttac	cattgggttg	aagcaaagcc	cttatgttct	ctgctctgtc	gtagaatccc	300
50	atttcttgca	actgttgcaa	ctgagtcgca	aatcgctctt	caggaggaac	attgggttgg	360
	tttgtgccac	ttaggccgcg	agcaccaagg	ctgccaaaca	tattcatcaa	taaatctagt	420
	cctccgttat	tggtgtgccc	tgctgcagca	ccagtttgcg	taggatcctg	gccagccgtg	480
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	gaaagtacgc	tttgcattcat	ctgcgacata	gcgggggttt	gcagtatttg	gctcaattga	720

5 gaagcatctg gagtcgcacc aagaggtgag tccgctccca gcataccgag tccaccaagg 780
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10 <211> 893
<212> DNA
<213> Arabidopsis thaliana

<400> 489
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20 cgaacgtgtt gcaagtgtcg cacttggtcc ccttcttttc ttctccacct tcttgcttta 360
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cgggtcaaata cttagtctca gtctcagcag gtaacaacgg cttgtgggtt tgcaatgcca 480
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25 ccggttccat ctccgagaca gtggacatct gtgttccaga ttctgtcttg gagacaacac 660
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gacgcagtct cattggagaa cgctttatag ggaagtgtct ttgcagctca cggatgacat 780
caagtgcctg cttcttggaa ttactatgag gatcaacagc aaaatgaatt tcatgcatta 840
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30 <211> 893
<212> DNA
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<223> n = A,T,C or G

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45 gaatcaagaa tggtagtggt gtttaaattg agacaacaac agatgacaaa aggtcaacgt 240
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50 agtcattgca aggtccttcc taacggggtt cttcgtggca agtgatagta angatgtgat 540
catggtnnng nctgcacttg gaccatcctt gggagtggct cctgcaggaa catggagatg 600
aagcttggag ttgcaaaga actgattctc tggttctttc tctagcatga tctttctggc 660
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55 acccattgat gtccaagcta gaccatcac aacacctacc ggtgtctgct catagagctt 840
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 aaacttccaa ttccgccgag caatgttcca cgacgtcgag cttctacggg cactgcttgt 180
 20 gactctaaaa gaaagtgact gaccaaccaa aactgagtta gattgccagt tttgtcccca 240
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 25 agggttacac caaccacat tgctactagg ctgagcaaag ttcggaggac agaaattagt 540
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 cgtgttcaca ccatagcctt ggctgtataa gttaccataa ccacaagctc ctcccattgt 720
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 tcacagttgg cgatttagtt gtcaaggatc aggagtttat cgaggcaacc aaggagcctg 600
 gtataacatt tgtttagct aaatttgatg gtatccttgg tcttgattc caagagatct 660
 50 ctgttggaag agctgctcct gtttggtaca acatgctcaa gcaaggcctt atcaaggagc 720
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 ttggaggtgt tgatccaaat catttcaagg gcaaacatac atatgttcct gtgacacaaa 840
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5 <212> DNA
 <213> Arabidopsis thaliana

<400> 493

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	atgaaaaaaaa	aaaatccttg	tttgtaaata	aacaaatata	acaccataaa	ctgaatttga	240
	tcattttttat	aataaaaataa	aataattcaa	attaagtttg	atttctttca	tcgggctgat	300
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	tccattcgaa	cagaaagttg	aaagcgtaag	tgacgattga	actacttgaa	aatgagacta	480
	acgtaactat	acttcctgca	gttactttta	tatttattgg	aaatatctcc	gacataatta	540
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	cccattttatc	gacaagaatg	aggccaatca	tggcttttgg	aatcacgaag	atacctagca	780
	tcgtcgttcc	aatggccacc	gaaaaaccag	cttttctaaa	aatgggtactt	gcataagaga	840
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 <223> n = A,T,C or G

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	tcatgcagag	ttcttcttct	ccagagattc	accaatttga	agacctcttt	aaatcctaca	180
	agctctctga	tgaaatgaac	aatcttggtg	aggcaagtga	gtatgatttt	ggagaagaga	240
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	tagacaaggc	tttctacgac	tgtgagcagg	acctcctggt	gaaatcagcc	atggagtctc	420
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	tgaagagtac	gagtgtagtc	gtctctgatg	tcccaattcc	gaagagtgtg	agctcgggaa	540
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   tctctaagaa aaaaaaaaga cttgtcttca acaaaaaggac taaagtgatt gtttcttaaa      180
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10  atcttcctct ccagttcttt ttgctcgatc catagtgaac tctgttcacg cagtagcttc      300
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   tctgctcttt cttttatcag agtttgctg aactcttctg cagcaatctt acgttcctca      420
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15  atgtactctt tacgatacac tcgaactttc ttagcataat ctctcctaag ctgagcaagc      600
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   ctgagagagc caatcatgga agcattctca ctctgcctcc tcacgaaacg gcttagctta      780
   ttgcaaaaag ccatttcact aaatcttctg attctgggag gaacgaatga gtcgtcggag      840
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35  aaaacggttg tctatcgtag ttattcagcg gtgcatccac ttggaacctc tttggcaggt      180
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   cctcattccc atcttccctc gtgaaacctc ctgcgagatc aaaagtccnn ntaaacgctt      300
   tctcatcggc cattagtgtg tgaggacaag catgtacttc tcccattgtt ttcattctcg      360
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   tgaactgggc aatcagatag ccattagctc catgaatctc aactccatca aaaccagctt      660
   ccatagcatt tcttgagcga agcctaaaat cattgacaat gccgggggatt tcttcgatac      720
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   tcaatggctt atccgaacaa gagataggag cttttccatt tggcnnnnnn ntattagaaa      840
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5 <223> n = A,T,C or G

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	ccaccaataa	gaacattcta	agaacggag	gattcgaaga	aggtccttgg	gttttaccaa	240
	acatatcatc	tggtgttttg	attccacca	actccatcga	cgatcaactc	ccgttacctg	300
	gttgatggt	cgagtctctt	aaagctgtca	aatacataga	ttccgatcat	ttctccgttc	360
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	cttgcccgcg	atcaatgata	gtcgaagctt	tcgccgaaa	agacacgata	aagggtcccg	540
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	gtcggactag	agttatgttc	tacagtacgt	tttaccgcat	gagaaacgac	gatttctcga	660
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20	gcggcgacga	gttgattcac	gggacaatga	atgatgacag	tcactgtngn	tttctcgcgt	780
	ctagtggaaa	attgggcttt	taggcccagt	ggcccactgt	ttttgttgtt	gnnnnnnagc	840
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25 <211> 890

<212> DNA

<213> Arabidopsis thaliana

<400> 498

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	aaaaaccctc	ttcacagcct	ttgtgaggat	cacatcggtg	aatggttga	acacaaaagg	240
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35	caaagccagg	acgcaggagc	tttttctctc	tcttggcgat	tttgcgcata	ttattctggt	360
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	cagcctcctc	cacatccaac	ttacccttac	ctttatctgc	tgacttaatc	tcctccacag	780
	tcttctcctc	agaaactgta	tcctcttttc	tcttatttgg	cagattcttc	ttccttcttt	840
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45 <210> 499

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<212> DNA

<213> Arabidopsis thaliana

50

<220>

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<222> (1)...(889)

<223> n = A,T,C or G

55

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	agcgctcgtc	ttcagctata	cgaaggaaga	tcaccatttt	cggtacacaa	ttagatagtc	180
	tgacgtctct	tcttgctgaa	attcatggaa	aacctatttc	agagaaagag	atgaatcggc	240
	gaaaggatat	ggtagggaat	ctgagggtcaa	aagcaaacca	gatggcgaat	gctttgaaca	300
10	tgtcaaaactt	tgccaataga	gacagcttgc	tcggggccaga	tatcaagccg	gatgattcca	360
	tgagcagagt	tactggnatg	gataaccaag	nnnnnnnttg	atatcaacga	caagttatga	420
	gagaacaaga	cgaannactt	gagcaattgg	agggaaacagt	catgagcaca	aaacacattg	480
	ctctggctgt	tagtgaagag	cttgacttgc	agactaggct	tattgatgac	ttagattacc	540
	atgtggatgt	tactgactct	cgcttaagga	gagtgcagaa	gagccttgct	gtcatgaaca	600
15	agaatatgag	aagtgggtgc	tcttgcatgt	caatgctctt	gtcagtgtcg	gggatcgctg	660
	gtcttgctgt	tgtaatatgg	atgttgggtt	agtatatgta	ataccaacat	cagacaactt	720
	ataagttcct	ctgtaggtcc	actggcctct	actctctatg	tgaatgggtg	caatgtattt	780
	cctcattcca	catttggtgg	tgagcttttc	atttctcttc	tgttaccaaa	accctttaag	840
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20

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<211> 889

<212> DNA

<213> Arabidopsis thaliana

25

<400> 500

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	tgattacgat	gcccctaccc	aacttgtgaa	gcctaaggaa	aggaacacaa	ggtatgtgga	180
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	tgaccgtgag	ctcattgggtc	cggtatgtga	ctttgggtctc	atgggtgatg	gtcagcctat	300
	tggtcgctac	gacgatatgt	gggctggatg	gtgtatcaag	gtgatctgtg	accatttggg	360
	attgggagtg	aagacaggtt	tgccctacat	ttaccacagc	aaagccagca	accggttgtg	420
	gaacttgaag	aaggagtaca	agggaaactct	ctggcaggag	gatatcattc	ctttcttcca	480
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	tttttgtttt	gtctttttctc	aaattttccg	gcgattcttc	agttcgtttt	taagttgccg	780
40	gagttttattt	aaatagtga	tggtgtagtt	ctatttatga	ccgagacaat	ctctcttttg	840
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<210> 501

<211> 888

45

<212> DNA

<213> Arabidopsis thaliana

<400> 501

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	aacagaacca	accagttgga	gtgtaaaact	tcaggagaca	gatacactag	aaacctcaga	180
	aaaaaagtaa	tgaaatctag	aaaacaagct	catggggctt	cattccttgt	ttcaatgaaa	240
	accttgctcc	gaggtaagtc	ttcaactctg	gaactgcttc	aatagctttg	atcaaagctg	300
	cgtccacggc	tttctgggtca	tctttctttc	cctgtggaat	ctctttcttc	tcctctttct	360
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	acttatcatc	gaatttgcgt	agggttaactc	cagaaatgtc	aacctttgtg	gaagtaccaa	480

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10	tggccttgat	tgcccacaaa	cctctcttat	ggtacatctg	agaccttgag	tatttaccaa	840
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<210> 502

<211> 888

15 <212> DNA

<213> Arabidopsis thaliana

<220>

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20 <222> (1)...(888)

<223> n = A,T,C or G

<400> 502

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	cagtcttttag	gtggtcctcc	tgtacaatca	gcggaagatg	aagatgaaga	aggtgatgaa	240
	gatgggaacg	gtgatgacga	tgatgatgat	ggagatgatg	atgatgacga	cgatgatgat	300
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35	tgggggtttat	gtaagtttat	tatggagcaa	ctaagtagta	gttttaagtt	taagtagggg	720
	ctcttttttt	tttatgcatt	gctatttctt	tttttttttc	ttttagtgta	gtcaataacc	780
	aatgaaagtt	tctccaacaa	tttacctagc	tttctaagtt	attctgtatc	ttttcaattt	840
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40 <210> 503

<211> 888

<212> DNA

<213> Arabidopsis thaliana

45 <400> 503

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	atttgttggt	tttttttatgc	gtccgtcaaa	gttgcggttg	gaccaaataa	gtatgtttaa	360
	ggtcaccaat	gtgcagctta	tgctcaccca	ttgggattct	cctctttcca	tactcatcca	420
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<220>
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<210> 507
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<212> DNA
<213> Arabidopsis thaliana

<220>
35 <221> misc_feature
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<223> n = A,T,C or G

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5 <211> 886
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<400> 508

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	gctcctgttg	attggtcttt	actcgatcaa	attcccgggtg	atcgcggtgg	ctccattgcc	180
	gtgcaaaagg	atgagttaga	gcacatgcta	aaagagcttg	atgcacatat	cagtgtgggt	240
	ccattaaaga	agatggctgg	aggaagtgtg	accaatacag	ttcgaggctt	gagtgttggg	300
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	gagttcctag	gcagacattg	cagatgggct	gtggtaactt	tagggtcgaa	aggggtgcatt	840
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	cgttaaaatt	caaaacctaa	caaagttttt	gtggcacaaa	ctcaaaaacc	aataaaacaa	180
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45	cagtccttga	ttgcttctga	gcacatgttg	atctgtgtat	atgcagcagc	cctgttgagc	840
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<400> 510

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5	gaccgcctgt	gccgatgtct	cactgcagct	gtaaccacgt	gcttgatttc	ctcaggtact	240
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20 <212> DNA

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25 <222> (1)...(885)

<223> n = A,T,C or G

<400> 511

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	cgaaaaagat	gaagcttcta	aacggcgatc	ccaagggact	tcttgaactt	ctctacctct	300
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	acatacctgt	cgattattgt	cgctgctggt	aatcctgttg	gggaagacca	ggcggcatga	660
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	acaacggttg	gtgccacgta	agcatcaacg	gctaccttcg	gaagccactg	tcccaaagga	840
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45 <210> 512

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50 <220>

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<223> n = A,T,C or G

55 <400> 512

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10	tggaatgagaa	gggtggtgac	gaggagggtt	tggcgggtaa	gattgctgag	ggtaagggtg	840
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<211> 884

15 <212> DNA

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<400> 515

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	gcatcaaaca	ctgctttcac	attctgttga	gtttttgcac	tgcatcgcg	ataagcaggc	300
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	ctagctttgc	tgacaagtga	gaatgcaagt	aagaagacat	ctgcaccgcg	atagctcaaa	540
	ggtcttagtc	tattgtagtc	ctcttgccct	gcagtatccc	acaatcccaa	gttgatagt	600
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<212> DNA

<213> Arabidopsis thaliana

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20 <211> 881

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<400> 524

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	ctctaagtac	ttttatgttt	taactctcgc	tgatcattac	ttactagtta	ctatctatct	240
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<400> 525

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35 <212> DNA

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<400> 527

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	cttacagcat	tggtatcaaa	aactcttctg	attcagtgtg	tatcatgtat	tggttaacttc	840
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5 <212> DNA
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<223> n = A,T,C or G

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<212> DNA

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35 <400> 529

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20 <211> 879

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<211> 875

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<223> n = A,T,C or G

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<223> n = A,T,C or G

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	tagtgtcttt	gatctctgcc	accatttttc	ctgaaggcct	ttgcctaact	cccacaaact	840
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 <212> DNA
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55	acactgtaag	tattcgacta	agttataatc	agatctgtag	attctaccac	actttgttct	780

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 10 <212> DNA
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<220>
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 15 <222> (1)...(871)
 <223> n = A,T,C or G

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 catctctggt gtttttgctg cagcgttctc aggttcatcg cnnaatctga tgtaccttac 360
 25 agtctcaaac gagcttccat gggcacaatc attcatggaa gtgcagaaca ccatgaacgc 420
 agaaatcaag aacatatttt tgtcagacgg gttaacggtt ctgaaagagc tagaggcagt 480
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40 <220>
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 <223> n = A,T,C or G

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 ttctgaaga actggtggac ttttaaagat gacaatatca tttgcacaag gcttcttgaa 540
 55 ataataactc accttctctg caactaatct gtctccaaca tcaaaagtag gatacataga 600
 caaagaagga atatatcttg gttctgcgat aaaataacga aacgccaacg atacagctat 660

5 agccacaaac acagtctgtg catcatccga ggtaaaatcc aaccattccg gaaaaagtct 720
gtttttttcc tccacttcac ctttatcatc atcaccacca tctccgccgc caccgtcgcc 780
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10 <210> 564
<211> 870
<212> DNA
<213> Arabidopsis thaliana

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30 aaaaattagt gaaagttgtt aagtgaaaaa 870

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<211> 869
<212> DNA
35 <213> Arabidopsis thaliana

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40 cagccattg ctctcatctg ctgcatcgtc ttccacttct tctctctgc actcttcagt 180
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45 aggttaccac actatctccc ctttcaaacac gaggtacatg tcaccgtata gacctagccc 480
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50 gcttttatag tcttttggtt aagatgaaac atcatcgat ttaggttaga gagattttta 780
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55 <211> 869
<212> DNA

5 <213> Arabidopsis thaliana

<400> 566

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	ggaaatcgcc	aagtttccct	ctccgccgcc	taaacttggt	cctccgccgg	ttaatcccat	300
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15	ggctcgagcc	caagccgagt	ccagtaagat	aaagccgagc	catactgttg	agccggctga	480
	ggaatgtgag	ccgaaacgga	agaggtatag	ggagggtgct	aatcttctcc	ggtcagatgg	540
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	ggcgtaatcc	ggtgtccacg	tggagacaga	tcattggtct	gtcgtccggc	aagcgagaca	660
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25 <211> 868

<212> DNA

<213> Arabidopsis thaliana

<400> 567

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	cattaactaa	aattggacaa	tggtggggat	tgctgcggaa	gtatttttcc	tatataacac	180
	aaagaaaact	tatattgtga	gctgattcac	ttcatcgagc	aagagctttg	taatgccatc	240
	agaattggtc	ggccagttga	ggaaatttct	gcagcagcca	ggtaactccc	tttatagcag	300
35	ccagaactgt	ttctccaggt	ttgattgcag	gctcaacgca	gtctcttcca	tatacgatct	360
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	cagcttttgc	agctggacca	taggatgcgg	acaatctcgg	aggctgtgaa	tgagtgaggc	780
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45 <210> 568

<211> 867

<212> DNA

<213> Arabidopsis thaliana

50

<220>

<221> misc_feature

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<223> n = A,T,C or G

55

<400> 568

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	ccaaacaact	tcctctggct	cggagttgtg	atcttatcat	cattcgtcat	gtttctcttg	180
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	tacaatttct	catatagagg	gctttgggac	atgtttctag	gaagtgcgtg	cattttcatc	300
10	tcttccagt	tagttttctt	atggcgcaag	aaacagaaca	aagaagggga	taaggagttc	360
	aagaatcagg	tacaaagcgt	agagtttcag	acacccactt	cttctccagg	ttcatggttc	420
	cacggccacg	agagagagct	cgagagtgtt	ccctatcaat	ctatagtaca	agccacttca	480
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<210> 569

<211> 867

<212> DNA

<213> Arabidopsis thaliana

25

<400> 569

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	ggatatgaaa	actacatata	tatataaggg	aggaagaagc	attagggatt	ggatctgaaa	180
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	gatgccaccc	ttgagttttc	ctgcagctta	atcttctcaa	acagatactg	cttctctgcc	360
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	atthttcgcta	gtacaatcct	ctgcaaccta	tcagcctccc	gctttgcttc	atttgcttta	480
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<210> 570

<211> 867

45

<212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 570

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	tatgacccaa	acaccatcat	gttgacagtga	gcacctaagg	cttttaactc	ttgtttttga	180

5	caaacgattt	tacccgagaa	acacaactaa	gaaactgaga	tctcttccat	gccgctaatt	240
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	gctagatgtg	agatactaac	tcttccttga	cgtttgatgt	aatctgcaac	cnnnttcac	360
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<210> 571

<211> 867

20 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

<400> 571

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<211> 866

<212> DNA

<213> Arabidopsis thaliana

50 <220>

<221> misc_feature

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<223> n = A,T,C or G

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	aactcgagac	aatcttcgcc	ccaaattggt	ttcatacgtc	cgatcgagta	aatcgagtag	480
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	ccccggttat	tcatgacgag	ccagaagaac	cagctcaagg	ccaccgaaga	agtgtcacgg	780
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<210> 573

<211> 866

<212> DNA

<213> Arabidopsis thaliana

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<211> 864

<212> DNA

<213> Arabidopsis thaliana

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5 <213> Arabidopsis thaliana

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<223> n = A,T,C or G

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<212> DNA

<213> Arabidopsis thaliana

30

<400> 604

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50 <212> DNA

<213> Arabidopsis thaliana

<400> 605

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	gggaccactt	ttgctttctg	gtaacaaact	atattcacct	gcgactgctc	ccagcatcac	360
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<211> 858

20 <212> DNA

<213> Arabidopsis thaliana

<400> 606

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45 <400> 607

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    caacaatggg ctaatcagaa taatggtcac cagcaaccgt gggctaatac gaacactggg      300
    catcagcaat catgggctaa tcagactcct agccagcagc aacctgggc taatcagaca      360
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25  tttttgcaaa ctctagtagt tatttcttta ggatcaacat cataatctac tacgttcggt      780
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30  <211> 857
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    tgattgattc agtcgcaagt ctcatgtttt gatcatagct gagaacagga aaaagaagaa      240
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    gtgatggagc tttacgccga cacaacacca gaaaccgccg agaatttcag agcactctgt      180
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    ggaggtgaat ctatctatgg atcgaagttc aaagacgaga actttatcaa gaaacataca      360
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45  gagggattga atgttggttag agatattgag aagggtggat ctgactctgg aagaacttct      540
    aagcctgttg tcattgctga ttgtggtcag atttcttaga tctgtctgag attgttgatg      600
    atgatgatga tgatcttggg gncccaatgg tagctttgtg ttgtttncct ttgatgtttt      660
    ctggtttatg tttttggatt ttgatattta ttgctgttgt gaaactttnn ntttggtccc      720
    cattgaataa gaagaannnn aataaaattn tnnnntccaa aaaaaaaaaa aaaaaaaaaa      780
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atacagataa agaacataga aaaactctat cggatatatg tgtttatata atcaatcctt      180
10 cttcttcttt tttttgttct gcttcgctct gctctgcttc cggatgatgt atagattctt      240
cacctctgtt gtttaatcat ttcacagaag cttccattca gaaatctcct ttccggaagg      300
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taatccaaaa gaaaaattgc ttgaggaaga agataactaa aggggttgct aaaaccgagg      780
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tgactcctaa aaagccatca gctatctggt agctacaaca agcaatcagc agcaccgcgc      180
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40 <210> 620
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5 ggtggcatca cgaatagcaa gattaatccc tcttttgaca tgaaccctga gaatccctaa 780
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45 <400> 633

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	cttcaagaag	ggatttgagg	gagctaccaa	gtttttgtct	cccaggctca	gtgacttcca	480
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35 <213> Arabidopsis thaliana

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55 <211> 846
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     ttgcaaaatc atgtgaaatg agttttacag aggaagattg atagagagag catgatgacc 720
     aatgtttttt tttattgtaa agaactaaag aagcactatg tttactattt agtcatatga 780
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     ggcacaggga agactacttt tggttaagaga catcttactg gggagtttga gaagaagtat 180
55  gaacctacta ttggtgtgga ggttcaccca ttagatttct tcacaaactg tggcaagatc 240
     cgtttttact gctgggacac tgctggacaa gagaaatttg gtggccttag ggatggatac 300

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5  tacatccatg gtcaatgtgc tataataatg tttgacgtca cagcacggct cacatacaag 360
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   tgtgggaaca aagttgatgt gaagaacagg caagtgaagg caaagcaggt tacattccac 480
   aggaagaaga atctgcagta ctatgagata tcagcaaaga gcaactacaa ctttgagaag 540
   cctttcttgt accttgctag aaaactggct ggagaccaaa accttcactt tgtggagaca 600
10 ccagcgcttg ctccaccaga ggttcacatt gacattgctg atcagcagaa gaacgaggcc 660
   gagctcttac aggctgcagc tcaaccctc cccgatgacg atgatgatat ctttgagtaa 720
   atcatccttc tagaatgtct gccgtgggaa gctcttgctt gttccttttg gttttctcta 780
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   aaagcccaac ataaaaagtc ttaacagatc aaaaaaaagc aagtaaaaga gatagagata 180
   ggagaaagag agaggtcaat gtccaacaaa ttagtcgacc tcctcgatct taggtccagc 240
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   ctgtcaata gaatcctcga tcttcttctt gtctgcagcc gggagcttct caccaatctt 480
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   agaagtacag aagttcggat ttcagaacca gctcctgctg cttcacatag aactgtgaca 180
55 gaggctagaa ttattgtcca aacgacgagt gaagttgatc ttctagatga tggatatagg 240
   tggcgtaa atggacagaa agttgtcaaa ggggaatcctt atccgaggag ctactacaag 300

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5 tgcacaacac caggatgtgg tgtgaggaaa catgtagaga gagcagcaac agatccaaaa 360
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gtggggccatt ggttgggaca ctaaacttct tacaatcacc tatagtggga tagtgtgtctc 420
agcgtttggt tactacattg gaggagtggg gatgaaaacc nnnnnncctg tgtttgaac 480
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35 gcagatgtac ctcggaaggg ctcttggtgc tacggtcata tgtgtagggtc tataccttgt 600
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cagagaattc aagaacatgg agtctctagg cactctgttt cccaagaaca aaccaatgag 360
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cgatttggtct aaagctcctt tcaactgttc ttaccgtggc tttcaacaag aagcttgtgt 480
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5  ctacatgatc tataattatt gtacggatgc gaagagggttc cctcaaggtc ttcctaaaga      660
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   gtgggtataa aattctattc attttattgt agatcacgtg aattttattg atttgttttg      780
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   ttttttttgg ttctcatttg tttgaagagt acaacgctaa acagaacaca caaaataaaaa      180
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   aaaaaaacia agagggttga agaaacgaga cattacagag gcgtgagaag gaggccatgg      360
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   tatcttaagt atgtgaagca tcatgtatag agccaagaac ctgtagact agtgactga      720
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   tccgatcatg cttgtctcac cgtacaattc tctccagtca aaatgctttg tagctaaatt      720
   ttgtttaatt acggctcttg taaatgtaaa gaagcaatga gattgagatt tgcaatgaga      780
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   agatgttgga ttggggcatg tctaaagata tgattgatga tcaaaaggat cgtgttgatg      720
   ggtgtcgtgt aacaacatca aacgattctt gttcattgca tctcaatgag tattttgatt      780
45 tgttagatgt cactgatgat gaagaatgac cactaaattt atatcgctaa aaaa      834

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55 tggaaaccgca aagagtgggt ttgggtgtggc ttctatggga gttatgagac ctgagttggg      180
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45 <213> Arabidopsis thaliana

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	ctgaccgcta	acgtaagccg	aatcatccga	agccagaaac	aaagccgcct	ctgccacatg	180
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40 <213> Arabidopsis thaliana

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	ggagatgatg	ataggggtag	atacagaccg	agacgagaaa	gtgtgaagga	tgatgaggaa	540
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	gatgatgatg	atgatatagat	aagcagagag	cgtgaatact	caagcagggg	tcgaagtctg	660
	tatgatgata	gccgatcaag	tggcaagaga	tcctcgcgatg	gttgatgatt	cctgtttcat	720
55	ctttgtctgt	ttaaagtttc	ttaaatgttt	tgctcgtgttt	gtcaciaaaca	taatccttgt	780
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 <213> Arabidopsis thaliana

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 ttacattga acattcacat tacgtggtta aagtgtcagg aagagccatg gaatgagctc 180
 15 caatgatctt accaccaaca tctgggaagg tctcgtaatc aggaagaggg cttactttac 240
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 tattagcaga tcccatgagt acatactcat catctactat catccctttt gcgtgcacgt 600
 aaatcatgaa acgctggaaa ttataagaat ctgataccac actgccattg gtggctggca 660
 tatcatctgg aagctgctct cgtttaccaa ggcagtaaaa gttaaggtaa tcgagaggat 720
 gagcatctga ttgcaccgct ttcagttctt ttgctataac atcatacatc atctgcatag 780
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 35 tgaaagtaca ctcgatatat tttgatctac atttacttga cgaagtaagg aagggtcaaga 180
 acgtagagaa ggaagtaagc ccaagtcacc ccagagatcc ctccaaagaa gaatcctcca 240
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 gtgaggcaca tgctgaggat gactaccagc ccagccgcgg ctaaagaccc ggctgacccg 420
 40 gcgtaagcag tggtccttaa tgggccagct ttgacgaatg ggcccactaa gaagaaacca 480
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 gctcggacag tgaaggaaga gactcttttg gtcggagaaa caccgaaagg agcaccggag 720
 45 atgccttctg ggacggcgag acgctgagaa agagaagcgg aggagaagct gctccttagc 780
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 <213> Arabidopsis thaliana

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 gtaggaaacc gatatactgt agttgtctct tgattttctc aaagatcagc aaagaccgcg 180

5	aatatgtcac	cattgatgta	atcgtttctcc	accaagctta	ccaaatagta	gctgtttcttc	240
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	gaccaagtct	caaagtcttc	atccttccag	acgttgaagc	tagcgggatc	gacaatgggt	360
	ggttgaatga	tttccttagc	cgggaaaact	ccccaagtta	cagcattcac	atcagcttgg	420
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	tcggcggtga	ctgatgggtg	gctattgatg	gtcaagaagc	ctttggagtt	gactttttatc	660
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	cttttaaggt	ttccaaggca	gagctccttg	aattttctct	gaatatcttc	aacacttttc	780
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<211> 832

<212> DNA

20 <213> Arabidopsis thaliana

<400> 691

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	ggcgaagaa	atcgtagacg	atactccccg	accgagttaa	gaagagcaac	cgcttgtacc	240
	gccgaaatct	ccacgcgcca	ctgcgcacaa	gctagagagt	actcccgttg	gtcaccgcgtc	300
	agaacctcat	ttccaacaga	aacgaaaaaa	ctccaccgct	tctccgcccgt	cgcttgattc	360
	cgtgagctgt	gctggtttag	acggttcacc	atggccgaga	gacgaaggag	aagtgggaaga	420
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	tggaactgcc	taccagccg	ggaaagatgt	gatcggatgg	ttaccggagc	agctagacac	600
	ggcgaagaa	tctttgatga	aagcaacaat	gatattcaaa	cgcaacgcag	aacgtggcga	660
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35	taaagaccac	aataaaaatgt	taagaagtgt	ctgaataaac	ttttgtcaat	tagcttcatt	780
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40 <212> DNA

<213> Arabidopsis thaliana

<400> 692

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	ttgcttttaga	atattgattc	aaggtttagtg	tgtacttatt	tctggctaata	tatagatctt	240
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<223> n = A,T,C or G

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aactttgcat tttgattgat tcgtttgtaa taattctcat ctccgaaaat cctaacctct 720
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5 <212> DNA
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<223> n = A,T,C or G

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	agttgctggg	gtattgatgc	tatgctttct	atattacaca	caaacaatta	nnagactata	180
	cataacaagg	ctaaagactc	gatgtcgtat	gttaagaaga	ttcttggtgt	tgacgacgca	240
	ttcttgagc	ccaagacatc	gtgttattat	ctttctgatt	gcttcttctc	cttaaccctg	300
	agagctgagt	ttgccatttt	gctttccact	cactcttctc	ttccaccact	tcctgatcgt	360
20	aacggttccg	gcgtcgaccg	gagaaagaaa	aagaaaaccc	catagacaaa	tcacggtcat	420
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	gatctgtgta	ttcttcgaca	cgatccggag	gagaaacatc	ggggtgatat	tttcgagcaa	540
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	gttgaagaga	ggagattggt	tgttggttgt	agaagaatgg	gtggtgattg	gttgagagaa	780
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<212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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	ctcctccaaa	gctacaactt	ccccgtcgga	atccttccaa	aaggagtcgt	agcttatgat	240
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	ctcaagaaat	tgactggtgt	taaagtcaaa	gttttggtct	tgtggcttaa	catcgctcag	420
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	attggattca	agttctgtaa	tggtgaaaag	aaaagatact	gaagggagat	gtgaacattg	780
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5 <212> DNA
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	tttggttgag	aaatggcttc	gaaacggatc	ttgaaagagc	tcaaggatct	ccagaaggat	180
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	ataatgggtc	catccgatag	tccttattca	ggcggagtgt	ttctcgtaac	catccacttc	300
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15	aatgtcaaca	gcaacggaag	catttgctt	gacattttga	aagaacaatg	gagtcctgca	420
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	tcaaagactc	ggttttaata	gagagaagag	agaaagagag	aggacttctt	cacatagggg	660
20	tcttccatga	aataagttag	attcctatgt	tttatcatct	ctttgtttga	aacctcttta	720
	atctcaaaca	aaaacattcc	ttctcctctt	tacccatccc	tatgtttcct	atctttgttt	780
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<400> 698

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	ccgagttctc	tcctaagtca	actccattat	tgctgagtcg	ggtcaaaacc	aacacaacac	180
	ttctctcagt	aagatctttt	accatcgttt	gatccaaacc	caccaaagct	gtcctttcca	240
	cttgactgag	aagaacggtc	tgaaccaaat	cctcctgaag	aaccgcctga	accaaagctt	300
35	ccgaaaccag	atgagcggtc	tgaaccacca	gagtaacggc	tgcttgatcc	ccttgaacct	360
	ccataactac	caccaccacc	acctgaacgg	ccactgtctg	caccataacc	tccataacta	420
	ccaccacctg	aacggccact	gctgctaccg	taactaccat	acccaccacc	gocctgatcg	480
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	ctttccacag	caatgctagg	cagctcattg	aatctgcttc	cgacttcttt	ctcaatcatt	600
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	tccctcccaa	aacggcgccg	tctcgtgtat	gcctccact	tagattctcg	gtatcagacg	180
	atgtctcgtc	ccctttcgaa	tcgacgggtc	agagcacatc	atccgcgtcc	tcctccggcc	240
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	atgcagtttc	atatgttaaa	aaactaaata	ttccaagtgg	agtggttggg	gcttgctcgac	540
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10	aaaaggtgga	gggtgtccct	gttttcgggtg	ctcaaaacct	ggacattgct	gttgcaactg	720
	cagatggaat	taagtgggat	accccatact	tctttgataa	agctgtactt	gataacattc	780
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15 <211> 829

<212> DNA

<213> Arabidopsis thaliana

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	catcacacgc	gtcgtgcat	catcctccga	ttcaggcgag	tcaataacca	gagagacttt	180
	ccacggcctc	tgcttcgtct	tgaaagacaa	catcgacacc	gatcaaataa	tccccgccga	240
	gtacggcact	ctcatccctt	cgattccaga	agatcgcgag	aaactcgggt	ctttcgcgct	300
25	taacggctta	ccaaaattct	acaacgaacg	tttcggtgtt	ccaggagaga	tgaaatcaaa	360
	gtactcagtc	atcatcggcg	gcgataatth	cgggtgcgga	tcttcccgcg	aacacgctcc	420
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	gggtgatcgac	gccgggtgga	tcttcgctta	tgcaagaaaa	gccggcatga	ttccttctgc	720
	ttgaatgtaa	tcggatccat	aatttatcgg	ttctgagttt	aatccgggtt	ggtttatttg	780
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<212> DNA

<213> Arabidopsis thaliana

40 <400> 701

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	tcgccaatat	cactcgtttt	tgttttcatt	caaagtttat	gacagggaaa	acgatcatal	180
	tccgccttgg	cctcctcggt	cttttaattg	ttgaaatgat	gaagtaaacc	attgcttcca	240
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	attcgtttgc	gtgagacgaa	gaagacgacg	tttcgcagtg	gaatgagtga	tgtattgagc	780
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55 <210> 702

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   <220>
10 <221> misc_feature
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   <223> n = A,T,C or G

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   gtcataccat aagagtatta ataaaaaag acaaaattaa gatagagaga gtagcaacca      180
   ttgggaaaaa ggctagtacg agtcttggtg aagcttaaag cttgtcttcg aactcagata      240
   gtggagtcac cgcttccttc aatcccttcc tcttcctgat atcagccacc aaaactgaag      300
20 cctgagtacc tggctcaaga gggtcagaag acatcatttc ccaatgatca aacacacact      360
   gtgggaatgc ctgtcctgag gttgctgccc taagctgact tgagaatccg aaagactcca      420
   caacaggcag gtatgccttg atgttgtaca agggagtacc tggcctctgc atctcctcga      480
   acacgtgtcc acgcttctga ttcagcacac tgtagattcc tccaagagct ccctctggtg      540
   cctggatctc aaccatgtaa accggctcca aaagtctggg cttagctgtg atctgggaag      600
25 cgtatatgac ccttctggct gtggggataa cctgaccacc tcctctgtgg atggcatcag      660
   agtgaagcac cacatcacat acctcaaac agatacctct catgttctct tcagcaagag      720
   gaccttcctt nnncgcccac tggaaaccag caacaactga atccttgatt tcgttaaggt      780
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35 <221> misc_feature
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   <223> n = A,T,C or G

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   gagctatttt tgaacttgca atatcccagc cagctcttga catgcctgag ctgctttgga      180
   aggcatacat tgattttgag atatcagaag ggggaattaga gaggacaagg gcttttatatg      240
45 agcgactctt ggaccgtact aagcattaca aggtgtgggt tagctttgca aagtttgaag      300
   cttctgctgc ggaactagag gaagacgaga atgaagatga agaccaggaa gaagatgtta      360
   ttgaacacaa gaaagattgc atcaaactg cagagcaat tttcgataga gccaacacat      420
   attacaaaga ctccacacca gagctgaagg aagaacgagc tacgctcttg gaggattggc      480
   tgaacatgga gagtagcttt ggtaacctcg gggatgttag tattgttcaa tcgaagcttn      540
50 nnnngaagct caagaaaaga aaggcgatca ctagagaaga cgggtcaaca gagtacgaag      600
   aatacatcga ttattttatac ccagaagaat cgcaaacaac gaatctcaag attcttgaag      660
   ctgcatacaa atggaagaag cagaaggttg ctgcttctga ggatgattga gattaagctt      720
   ttttcttaag ttatatcaaa agtcaaaact gtgaaatgtg ttttgtattc ttccttagct      780
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55 <210> 704

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	acttgacaag	aggaaaaaaa	aaaatactac	ataaaacata	cacacataca	aatttttatg	180
	taaggggcca	tggttcttag	gttaaaactg	cggagattga	atcagcgatg	gagacaatag	240
	tcgacggtga	gactccacga	cttccggaca	aataccatct	ctgcatcatt	cccaccacat	300
15	tcgcattctc	caccttcagt	ttctcctctt	ctttaccttc	cgtctcaaac	ccgatctcgc	360
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	ggatctcaat	gtctgtgatc	ccttggccca	gaagagagag	tggcttgga	gtgatgatct	780
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	gccccaaact	cttgggaaag	gaatggcatc	tttgatatca	ggaagcccgg	tcgcatacag	180
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40	atctaagtac	cactcgaact	tctcccnngt	gaatccggnn	tccccgatcc	tcgcatacag	300
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	tgctttcggg	taggtatgta	caattacagg	acctttgtag	atctcatcag	tcagataact	480
	tagatgctct	gttgttaaag	caactcccca	ctcaggcttg	gtttcaaatt	ttgtagtggt	540
45	tgcccttttg	agaagactaa	tcacttcggt	ataggagaat	ctcaaaaagg	agctggatgc	600
	tgttgcttcg	agacgtgtgg	tgatggctct	gtcaactcgt	tttgatatga	atttcatgtc	660
	ttcatcgcca	ttttccagaa	catatttgca	gaggaacttg	aagtattcat	cagcacaatc	720
	catagcatca	tccaattccg	cgaaagccat	ttcggtttcc	acattccact	tctctgcca	780
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50 <210> 706
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 <212> DNA
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55 <400> 706

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	cattctagag	ttcaagtatg	gttcttccca	cacggtggat	gtggttgaca	aagccggata	180
	tgatggctgc	gacgcctcct	cctcgactga	gaaccattcc	gatggagaca	ccaaaatcga	240
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10	tggcggcatg	aagctagccg	ttaatgtcgt	agccggttct	gccggacctc	cggccactcc	360
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	atcaccacac	cccaccacac	ccacacctgg	tgcaggttca	acttctcctc	ctcctccacc	480
	aaaggcaagt	ggtgcgtcta	agggagtgat	gagttacgtt	ttgggtggag	tctcgatggg	540
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	gtttgctata	taccacagtt tccaaaacta aacatgaaag ttttctcttg acatgaatca 180
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35	tcaacatacg	gaagaaaccc aagtaggat caatcaaaag aacgaaagca atagccagat 600
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	ttttcccgaa	tctgtagcat ggacagcaag cagattcgat acagagatga cgatcttcaa 780
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	cgcaatttca	ctaatacaaca tcacatgctt ttcagttttc gttatcatta tttatctata 180
55	cgaggatgaa	aatataaaaa attacgaaga aatggaacac aacttcgagc cccagccatt 240
	gtttatagaa	gctttgagcg tggttcctgc ctggcacaga ggctcgttcg ccactgttgt 300

5	taccatcatc	ggatcctgaa	gtcggagaaa	tgtttatagg	tccaggggac	gagccagtgg	360
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	ctggagaatt	cggatccaag	tgaagcaaag	cagggcattt	agtgacgtca	gcagcggcgt	480
	gacaaacaga	aggaagtgcg	agagctagag	agacgttgat	ctggagaccc	aaatcaggat	540
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10	gaccggagca	acagtctggc	gtcggagatt	ttgcttgctc	ttgcacgtaa	ggaagacacg	660
	tggccatacc	gaccnnnnnc	tccgtacact	cctccttgct	tttcgtctta	tcatcagcag	720
	ctgccaccac	catagccacc	actattaaag	ctattgctgt	cgccattagg	ttaatcttcc	780
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	ggacccaata	ccgaactcac	acacataact	gaaactccag	ttcacctcct	atagccgggt	240
30	cccttctctc	acactctcag	aaattttcaa	nnaattttct	accgtttcgt	tatctacaaa	300
	tccactataa	atacttcaact	cttcagcttt	gtattattct	cttaacattn	nattactctt	360
	atccttttac	cctcatcatc	ctccactatt	tacagttttg	ccactctgac	tttatgctag	420
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35	gagaagtctc	accggagaaa	gttatcagag	aaagcgatgt	cgtttcacgg	cagaggaaca	600
	acgcggttat	caaattccagg	cgagcttcga	agaccgaaaa	cgttaccgga	gttattctcc	660
	accggtcaaa	gcatcacctg	accggagacg	gtttcacttc	cgccacgttt	gacgaaactt	720
	ttacttaacg	tgacggtaca	aggaagttta	ggagccgtac	aaattataat	ctcgcgggaa	780
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	tcatggtttc	ttcttctaac	ttaccagtag	ttaagagttc	aagagaacca	ccactagtct	180
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	atggtagtac	tcactggcgt	tccattagcc	tttccattga	acctcatacg	gctgaagcta	360
	gacatacgta	caaagggtcg	gttaagggga	ccctcacacg	cagaggctgg	cgttgaaggt	420
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55	tggattttcat	ggccttgggc	attcacactc	atagtaggat	tgggtggaatc	aggcatcaca	540
	cctgatgagg	gtgaagcaaa	tgtccagaaa	aaggattgtt	gttgatcaaa	tagaatggcc	600

5 tgatcatcct cgaaccaa atcgctagtg atttgattga gagttgtact aggatccatg 660
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 ttttggtctg atgtgtagtt agcagaatca ctcagagaag acagatttgc agaagttccc 780
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 aatcgctcct ccccttgaat tttcagatgt caaacactcg ttttaattcaa taacaacttg 360
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 25 gtctatcacg ggttggtttg tgatgatctc taacaatacg actccgaaac tataaacatc 600
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35 <400> 712
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 50 gctgacttaa tccctgcctc ttctccatta gacatttcaa caactt 826

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 55 <213> Arabidopsis thaliana

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<220>
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 50 <223> n = A,T,C or G

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	gcagtattcg	gatcatttag	gtagaaaaaa	caatgtgaac	aactgcagag	atacattacc	660
	agattgaagt	ctgtattttt	cttctctttg	tgtgtaaata	tgaaacgaag	gcggtcaaat	720
	tatatataag	cttcttcttt	cttcggttct	tatgaagttt	tatgcaatca	tagaagcttc	780
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	gaatcgtgag	gaactctaaa	cgagttgaag	cagagatagc	agcattaaag	atttcttacc	420
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5 caaaaccgag cagatgcgcg atcataggca tcagaaggaa ggattgaagg aacggagggc 600
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<212> DNA
<213> Arabidopsis thaliana

15

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20 tccaatcttc ttgcaaaacc accacatacc ctgccttatg tgtccactca ctctccgtct 240
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gtttgaccaa atctgttcaa gaactgaagt tgtgtgggag tgccaaagat caagaccagt 480
25 ttgcgtacca catgagtaat gctcagactt ggactagtgc ggctttgact gacgagaaca 540
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aatgtcttgc taagagtttg atgtgatata tttttttcga ttttggtagt ttctttttgt 780
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35 <213> Arabidopsis thaliana

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55 <212> DNA
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5
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 aatatttgat ttccggttcc tagcgctttt ggcagtagga gggtcgctgg ctggttcgct 300
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 caagatgggt actatcgcca ccggtctaga tttgcttagt tattccggtt gcattctctt 720
 gtcctctgct tctctttata tcctccataa tctccacaaa ggagagacat gaaccaatgt 780
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<210> 721

<211> 823

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

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30 <223> n = A,T,C or G

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 35 catttattca aacaaaagtc caacacgatt aaacaagaag aatcaatatt ccatcctttg 180
 cagtagtaaa aagggaactt actaatcact tgaaaagcca aatgatttag tttttttttt 240
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 caagtttctg ttggaactca gctaaacctt tttggacttg gctagggtca atgtgggtcaa 420
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 45 aaggagtctg cgggtgggtcc atattcggtg cgactttctt ccatgcctcg acgaaagtgg 780
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<210> 722

<211> 822

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

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<212> DNA

25 <213> Arabidopsis thaliana

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<210> 724

<211> 822

45 <212> DNA

<213> Arabidopsis thaliana

<400> 724

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	cgaaactctg	aagttcgttt	tgtttaaaaa	ctcatgattg	actcgaacta	gattccagtt	780
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<212> DNA

15 <213> Arabidopsis thaliana

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20 <223> n = A,T,C or G

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	tgaggcgatc	cattagagtt	aggggaantag	cttcgatgag	gtctgaagtg	tccagttctg	300
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	gatggtagg	gattccttga	ctcatgatta	cagagggcgt	aaggtttgaa	gcggagaggc	420
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	acatgattaa	aagtttgaaa	agggttacaa	aacagaatta	gagagtaaaa	gcagagacac	540
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40 <212> DNA

<213> Arabidopsis thaliana

<220>

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<223> n = A,T,C or G

<400> 726

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<210> 727

<211> 821

<212> DNA

15 <213> Arabidopsis thaliana

<400> 727

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<210> 728

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35 <212> DNA

<213> Arabidopsis thaliana

<400> 728

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55 <211> 820

<212> DNA

5 <213> Arabidopsis thaliana

<220>

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<222> (1)...(820)

10 <223> n = A,T,C or G

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15	aagcctactg	aatggccatt	gatttttaagt	cacattgctc	ctctccttgt	cttaggcagt	180
	ggaaaacagg	attggtttgt	tctgtttgag	cctacacaaa	atgcaatact	ggagcttttt	240
	ttattgcaaa	aagtgtgaca	ttagatctca	ggttgagttc	ttatgttgct	cgccacgctc	300
	ctagatgggt	agcaggtttt	tttgaacacg	aaaagagttt	gctttttaa	ccttcaatct	360
	aatccttttc	ttctagagat	aggtctggtc	ttctctgna	agtgtcaagg	ataggttcag	420
20	tctttttctt	ttaggtaata	aatctccact	gttcagataa	gttagtggac	acattttgag	480
	ttacttttgt	caagatgatg	ttaacaggaa	gatcggcata	aacaagcttg	gtgatcttca	540
	gggtgactacc	ttttgggggt	atgctgctac	tatnnntcga	aaggaggata	tgatgatata	600
	tacaggtcgt	tcacaacaaa	tgcaaaagtt	ggatgctcta	agatcatgtc	caattctctt	660
	gattggaact	atgctcttat	tgaggacggt	atgaagactg	tttcaaagtt	atcattttat	720
25	ttcttttggc	tttggtagtt	gaatgtgttg	taacttctgt	ttgggttgca	attaacgtaa	780
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<210> 730

<211> 820

30 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

35 <222> (1)...(820)

<223> n = A,T,C or G

<400> 730

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	ttttacttgt	tttgacata	cacacaaaaa	taaanaagac	tttatattta	tttacttttt	180
	aatcacacgg	attagctccg	gcgaagtatg	gtcgtcgtct	tcatcttctt	cctccatcat	240
	cagatttttc	cttaaatgga	agaaaccaa	cgaaactccg	atcttctccg	ttctcgtggt	300
	ttcctctctg	gctttttattg	ctgggattgg	gaatttctca	ccgctctctt	gcttttttagt	360
45	tgctgattct	ttttccttcg	actttctatt	ttcaatcttt	cttcttctct	ttgtgtatta	420
	gattattttt	agttttattt	ttctgtggta	aaataaaaaa	agttcgccgg	agatgacggc	480
	tgtgacggcg	gcgcaaagat	cagttccggc	gccgttttta	agcaaaacgt	atcagctagt	540
	tgatgatcat	agcacagacg	acgtcgtttc	atggaacgaa	gaaggaaacag	cttttgcgt	600
	gtggaaaaca	gcagagtttg	ctaaagatct	tcttcctcaa	tacttcaagc	ataataattt	660
50	ctcaagcttc	attcgtcagc	tcaaacctta	cgtgagtttc	actctaacga	aaactcattt	720
	actctcaatt	taatgcttca	tttaattcgt	ttgggtgaatt	gaatcattct	ttttagtttg	780
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<210> 731

55 <211> 820

<212> DNA

5 <213> Arabidopsis thaliana

<400> 731

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10  tgagaacgaa agccatataa cgctgcatga cctgaaaggc tcaaagctct ctggaaacgt      180
    cttcaacatc ctttttaatc taaacaaatt tatggcattt gaaaccgagg atccgttcct      240
    cattcgtcag gagcgcgaga acccgacatt gacagactgg gaccgttttg cacatagaga      300
    gtatatcgg ctatcaatgg aagaagatgt tgaagatgca tccaatggaa gtgctgaggt      360
    ttgggatgac tcgtcactgg aggctccctt ctgagttcaa agaggtagca agtcaacaaa      420
15  agaaaatcat aatctctaga atggatttta ttttttaaaa aaggaaacaa aaaaacttag      480
    aagttgaagg ttatggatat gttgttattt catcatatta gttaatcatg caaaagagaa      540
    acagaaagtc cctgagaaga atccttggag ctttgttgag aaggcaagtg aaaaaacaag      600
    ggagaagcca gtagtatcat acttagcttg gagttgtttt ctaacttctc ttcattttta      660
    gctgatttta caactatatt gattaataat cgctgcgtt tagctcatcg ctttacggct      720
20  tcttcactcg tattgcattc actttgctcc atctctgggt tttttgtttg tacttttagag      780
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<210> 732

<211> 820

25 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

30 <222> (1)...(820)

<223> n = A,T,C or G

<400> 732

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    gaatctccaa gatccacgat cgtgtcttca tcggtctttc tgggtctcgcc accgatgttc      180
    aaacactata ccagcgcttg gtgtttcgtc ataagcttta ccagcttagg gaagagagag      240
    acatgaagcc tgaaactttc gctagtcttg tctcagccat tctttannng aagagatttg      300
    gtccttactt atgccaaact gtgattgctg gcttgggaga tgatgacaag cttttcattt      360
40  gcacgatgga ctctatcgga gccaaagagt tagctaaaga ttttgttgta tctggaactg      420
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    gttggggagg gcatgtttac attgtaacac caacagagat taaggagagg atcctaaagg      600
    gaaggatgga ttgatctgct tcttctattc aagttgtttt ccgctgtaat ccggttttaa      660
45  gtagtgtaac cttcacatcc cggtttaatt atatgatcat tccttggtcg aaattatggg      720
    ttatgtatga agtttgattt tcttcttgga taatggatta tatgatttta attcgtagag      780
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<210> 733

50 <211> 820

<212> DNA

<213> Arabidopsis thaliana

<400> 733

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5	atgggttcaac	cagcctgcc	ggaaaaccag	aagaagaatt	gcgaggcaaa	agaaggctgt	180
	gaagatcttc	cctcgtccaa	cttctggacc	tctccgccct	gttgtgcatg	gtcagactct	240
	taagtacaac	atgaagggtca	gaaccggtaa	aggattcact	cttgaagagc	tcaaggctgc	300
	tggtatccca	aagaagttgg	cgcctacaat	tggtattgct	gttgaccatc	gtcgcgaagaa	360
	ccgatctttg	gaggggtcttc	aaacaaatgt	ccagaggctg	aaaacctaca	agaccaagtt	420
10	agtcattttc	ccgcgtcgtg	cccgcgaagg	caaggctggg	gactctacac	cagaagagtt	480
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	ggaactcgtc	aagctgactt	cagaaatgaa	gtctttcaag	gcttttgaca	agatacgctt	600
	tgagcgcact	aacaagaggc	atgccggagc	tagagccaag	agagccgcag	aggctgagaa	660
	agaagagaag	aagtgaggtc	gttcttctta	ggtagaagaa	actttttatct	tatcaacttt	720
15	tggaactgaa	ttttgtgtat	cagactgtct	tttctttcat	cagtttttat	ccttaaatct	780
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<210> 734

<211> 819

20 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 734

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	atgtgtcacc	gagaaatgtc	gaaaacttgg	gagccaatta	gcatgctctc	ctttctgcc	180
	gagtgttggg	aatgtcgaat	ccaagagtta	ttacataagc	tttagtccac	ctgttacttc	240
	atcaacatta	tcaacagggtc	caagaatagc	cattactgtc	cttgaatttg	gagcgatctg	300
	tgtttttccc	gcatcaatgg	tgatatgggt	tggcagtttc	agggctcttg	ctctttcttg	360
35	caaaactagc	atctcttcct	cactttcaat	tttgacaaca	acttnnngct	gagcacaata	420
	ttcccatctg	ttcaaggcnn	ttggcgcccg	ttgaaggagt	ttntnngtata	aacctaaagt	480
	tgcatgactg	cattgagctg	caatcttccc	tttaccatt	tttaagatcat	tcctcacaac	540
	caaaaccatt	ttgaaatttt	tgcgaaaatc	agcgagtttc	tctatctcga	ggggttcctt	600
	ggacttgggt	ttcttattcc	cgctggatcc	tgcactatag	gcgacagatt	tggaggagag	660
40	aaagattcgg	cgggtttgtc	gtaaagtgtc	gatgtaatat	ccnnntgcag	ctccaacaag	720
	taaaacactt	aataaccaca	ccaaatccat	acctccttaa	agtcttccgg	cggctgagct	780
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<210> 735

45 <211> 819

<212> DNA

<213> Arabidopsis thaliana

<400> 735

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	atcagaagga	ataacctcga	cgacggattc	acagccaaga	ttggcgtgaa	gatactcgga	180
	gacaacgact	ggtacagcta	agtccttaac	actttggaga	atgtgacacg	gaacagtgac	240
	aaaaggtaag	atctgtctca	tgtcactttg	gaaaatgggc	tggccgacgg	agagagctat	300
55	gtcgggacgc	atattgaaga	gtgttctgct	gaattcttga	acggcgatgg	agtccatgtc	360
	gccaccgacg	gcgagtggag	cgaaacctaa	gcaccacgct	ttgtagttgc	ttcggtgggc	420

5	ttcgaatagt	tggtttaagt	cttcttggtc	gaatccacct	tggtaatcaa	catcgtttac	480
	gtatctcgga	gaagcagaga	tcatgacgat	tttggagaag	agatcaggac	ggttaagaga	540
	agccaagaca	ccaatcatgg	cagaaacaga	gtggccaaca	aagatacaag	actcaatctt	600
	gagatcttcc	aagattgcaa	tcaaactgaa	agagtagcct	tcgagatttg	agtaacgata	660
	gaagtcgaaa	tagtcagggt	tggctgtacc	ggctcccatg	ttgtcgtaga	ggacgacgag	720
10	gtaatcgtag	accagatgtg	gaaccaagtg	tttccatact	gactgggtccg	tgccgaaccc	780
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<210> 736

<211> 819

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(819)

<223> n = A,T,C or G

<400> 736

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	ctcatgaaga	ttttaaacct	tggtgatgat	cggactgtga	tcattgcttc	ttgtatttgt	180
	agtggctgga	gagatgctgt	ttcccttggt	ctcactcgcc	tctccctctc	ttgggtgcaag	240
	aagaatatga	acagtttggt	tctatctctt	gctcccaa	tcgtaaagct	tcagacttta	300
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	tattcacttg	ctcgtgggtg	tactaacctg	actaaactca	accttagcgg	ctgcaacttcg	480
	ttcagcgaca	ctgctcttgc	gcatttgaca	agattttgca	ggaagctcaa	aattctgaat	540
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	aatcagttgc	agtcactaaa	cttgggatgg	tgtgagaata	taagtgatga	tggagttatg	660
35	agtttagctt	atggttggtc	tgattttaaga	actcttgatc	tttgtagctg	tggttctaata	720
	acagatgaga	gtgttggtgc	tttggcgaat	cgggtgcattc	antngnggtc	attgggctta	780
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<210> 737

40 <211> 819

<212> DNA

<213> Arabidopsis thaliana

<400> 737

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	tcaacgaatt	tgtagatctg	atctgtgatt	ccatcggtga	cgacggatct	tcgcttacat	180
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50	aggagacgaa	tctgttgagc	acggatgtgt	gtgtgtttga	ttgaattgag	attagggtgt	360
	agaagatggt	ttgtggatag	ctaatagctt	cctgattgca	tctctgtcat	ccgacctttg	420
	ccatgtcagg	tgcgcttgca	tggcagggtc	aaaaactgat	cctcaataaa	aaaaagattt	480
	gttgggtttt	ggagaggagg	tcgcacgggt	tattattttt	ttccgggagc	tcttctcttc	540
	tgtgtgtgtc	gtcttgcttc	tgctctatct	ctctccctgc	tctttcacat	ttcatatctt	600
55	tcttaaatgc	tcatatacac	tcaaaaaccg	atcataagca	gagtttgtaa	ccaatatgga	660
	gcagtgggag	attacaaatc	ttcttgccca	acaacctcga	gagttaaatc	aggtactcat	720

5 atccatatta aatcgaattc ttaattagca taataaggta aacataatct gcaagaggaa 780
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<210> 738

<211> 818

10 <212> DNA

<213> Arabidopsis thaliana

<400> 738

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 ttctgccgca gcttctcttc ttctcccttc atctcaaacc attttcatcc gatctcaatc 180
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 20 gtctcatggg atcgctaagc tcgttgagaa gctggccaat ccgatctctg atgaagaatc 420
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 25 aggtagagta aagcaaacct ttacagact gatcagatcc tatccagtct tagtgaaatt 720
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<210> 739

30 <211> 818

<212> DNA

<213> Arabidopsis thaliana

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35 <221> misc_feature

<222> (1)...(818)

<223> n = A,T,C or G

<400> 739

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 gagatgtcga gatctcagtt cttgttactg tttttcaacc attctaaata cttgtcgctc 180
 ccaccagtga tgggcaacgc aattacttct ggcacactaa aggtaacaag taaaccatat 240
 ttattaactt agcttgtgtg attgctaaag aaaaggcaag aactcgcgt tactcatggt 300
 45 tttatatgca gaatacgtca tagaacaatg cttactcgta ttcgtgattt gcattgacat 360
 gctcgggttag aggttctaga agggattgcc ttgttttgat tatcaggagc tcctctgaat 420
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 50 acgaagaaaa agccttactg ctaaacttag accttaagag aggaacaaca gagaaagact 660
 gtgcacaacc cgatttgaag ggagatgaag aagaagaga agagattgag agagttgaca 720
 gaacgcaaaa cgctccgacg atcggaaaac tccgtcgaga tccgattacc gccgataatc 780
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55 <210> 740

<211> 818

5 <212> DNA
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<220>

<221> misc_feature

10 <222> (1)...(818)

<223> n = A,T,C or G

<400> 740

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	tcccgaacaga	ctggatacat	catccgtgga	acgcacctga	gtccgttctt	caagctgctg	180
	gtatcgagct	tggatcaaac	tatcctctac	caattgtagg	attagatgaa	gcaaaagcac	240
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20	tcccaaggga	cattacaatg	gaagagnnng	aaccaaccag	actcaaccga	aacaggagat	420
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	tgggttaacac	caaccaagct	cagcagcgga	gagcagaacc	ggcttcaaac	caagtactctg	600
	ctatgattcc	agaatttaat	atcagaattg	ttgcagagag	cactgaagac	tcaacagcgg	660
25	aatcttccag	cagcggaagg	agagaaagaa	gcgaggcat	agtcctccag	tggtctccag	720
	ggtactcaga	gcagttccct	agtgaagaaa	atggtattgg	aggaggaagt	acaacgtcta	780
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<210> 741

30 <211> 818

<212> DNA

<213> Arabidopsis thaliana

<400> 741

35	tttttttttt	gatttaatga	aattatttga	taattattaa	caacataacc	taaaacttaa	60
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	gttattcccc	ttttgttaca	agcttccaag	tcttatgaac	ataaaaagca	aacgcaaatt	180
	tcgtgctgtt	ttgtttcctt	gatgtcaaac	gtagtcttct	gccaaacaaa	ccacataagt	240
	cagcaagcta	gctgagatcg	atatccactt	tttccggtac	acacctttct	ttttggttct	300
40	taccaagctc	tggtccaagc	tgaccctgat	cgctgcacc	aaacgcgaat	agcttccccg	360
	attccgtgag	cgcaaagtga	tgagcggtcc	agtatatgga	gttcgttaga	cttatctgga	420
	ccatccgctc	gttcacttgt	tttagcgatg	ttactaccgt	tggacttagc	acgtttgcat	480
	gtcgattacc	ctgttcatca	aaggatggat	ggtgaccgag	actagcggat	tcgccgcagc	540
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	gacctaccac	cgcgcatgc	caagcaccgg	ctgcaactac	cctaggttga	agattcaata	780
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50 <210> 742

<211> 817

<212> DNA

<213> Arabidopsis thaliana

55 <400> 742

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aaacatggaa gttcttggag tcaacagaga tgagtctaac agcagcaata gcagcagcaa 180
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10 tgcttatcgc tccggtaagg ctcatgaaat ctccgggaaa cggtaaaagc gcagagagaa 360
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aaacagggtcc actgacgctg tttaagagat aagtcgatgt cgaggaccgc taagcccaat 600
15 atccgatgaa tgtaaccgcg tacataggta aaacaccaac agtgaattga aaatacagag 660
ccttcacatc gtttttaacg accgggtgct tcaccgtggc ctgtatttcc gggagcattc 720
ccgtgttgaa tgcgaaaact agatttgcag ctgctcctgt tatggtaaag agtttggtta 780
ttgatgatcc ttgtatgttg taatctcttt caggctt 817

20 <210> 743
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<212> DNA
<213> Arabidopsis thaliana

25 <220>
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<222> (1)...(817)
<223> n = A,T,C or G

30 <400> 743
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attgagctct atcctcgaat tctcttatta gcttggcaac tttatctatc tccggcacca 180
cattcttcac tgtttcatct gacaaannnc ggttggccca tctataaaga gaaggagttt 240
35 tnnattcgtc tanaatnnnn ncttttttaa gcttctctct agctttcaag aaaacaaaaa 300
agcttccaa gcaaatgtct atgaaccoga ttgtttcacc gccgaaaaaa gattttcctt 360
tgcttagagc aataaacgca gcttcgagtt gcaacaaccc ttcttccact tcttccatgc 420
cttttgcttt tgcgtcttcc gatttagcga ccacagctgc catcaaagcc ggaaaccact 480
tgtcatcaac gaaggcagac cagaagcgag caagggcagc atcatgagga tgagaaggaa 540
40 gaatgaacga tccagatgag ttccacgtct cgtctatgta ttcaacgatg tttagagact 600
caciaaccga tttattactg tggatgagaa ccggcacttt cttgtaaacc gggttcgatt 660
tgagaagaag ctactctta gatccgaaca agttctcttc aacgtaatca taatcaaccg 720
atttgagacg aagagcgatc tttactctta tcacgaccgg actgtacat gttcccaaca 780
gtttcacctc tctctctacc atctttgttt tgtctaa 817

45 <210> 744
<211> 817
<212> DNA
<213> Arabidopsis thaliana

50 <400> 744
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aatgggctaa aacaaaccac agccacact taaattttac aagattaagt aaagcccaag 120
atcacattat attgaagaag agttggcctc ttgtctccat ccaaacgcaa cgtgtcagta 180
55 gtgaaatata aatcagacat gtggggatga gtaacctaaa ggattccgat tcagcctccg 240
ccgtacgagc tcgattctgg tgaaagagtc accgtcgata caaaaatcga aacatgaatc 300


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5   tttgagctaa ctggttttcg ttgcnngga ttttgtctgc aaaagcggca aggcatttga      660
    cgcagagagt ttggtaacgc gtgannnggc atgatgagac aatgaagttg atgctgctgc      720
    tagggtttgg tgatgatgaa ggtttggcta tgggtggattg gcagagtagt ggaagaaaaa      780
    gtagaaggca ataacaaaga tgggttagct ttggtt                                816

10  <210> 747
    <211> 816
    <212> DNA
    <213> Arabidopsis thaliana

15  <220>
    <221> misc_feature
    <222> (1)...(816)
    <223> n = A,T,C or G

20  <400> 747
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    gctgagcagt ctgagcctat ggatcagaaa catgttccat cagagcaaga tcaaagctca      120
    atgctaaaag ttatctgcag ccaaagagat cggttccgag cacgattacg ggaaacagaa      180
    gaggaataaa ggcgattaaa agagaagata ggttttctca cagacgaatt ggagaagacc      240
25  aaagcagaca acgtcaaaact ctatgggaaa atccgttatg tccaagacta taaccatgat      300
    aaagttgttt cccgaggatc gaaaaagtat gtggaagatc ttgaaagtgg attcagctcg      360
    gatgtcgaat caaaatacaa gaaaattttac gaagatgaca tcaacccttt tgcagcattc      420
    tcgaaaaagg aaagagagca acggatcaaa gatttgggaa tcagagatcg gattacgcta      480
    agcagtgggc ggttccttct aggaaacaaa tacgcaagga catttgcttt cttctacaca      540
30  ataggattgc acgtccttgt cttcacttgt ctctaccgta tgtctgctta cagttatctc      600
    agccatggag cagaggagac tctaattgaca gaagcaacca caaaccttnn nncgggtctt      660
    taagctctca ccctagggac ttattcgttt ttggtcggtt tgttctttct tgtccttgta      720
    gtgttcctgt ggcaattcta aaacggttga atatttgtac agagggatcc aaatcactcg      780
    atacatatat aaagccacag aaaaaacttc cttcag                                816

35  <210> 748
    <211> 816
    <212> DNA
    <213> Arabidopsis thaliana

40  <220>
    <221> misc_feature
    <222> (1)...(816)
    <223> n = A,T,C or G

45  <400> 748
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    cgtttgattg atgaattcaa cttttttggt gtatatgttc cacgattttg caatgttctt      120
    ctcaatcgaa gctaaaggga ttatatagac aattattgtg tgtgtttgaa tataggacgc      180
50  agatataatg tggcttagag atccatttcc tcggttatat ccagatggag acttccaaat      240
    ggcgtgtgag agattctttg gaaatcctta tgattcagac aattgggtca atgggtggtt      300
    cacatacgtg agatcaaaca atcgaagcat tgagttttac aaattttggc acaaactctg      360
    tctagattat ccagacttgc atgatcaaga tgtgttcaac agaatcaagc atgagccttt      420
    tatctcagag attggaatcc aaatgagatt ctttgatata gtttactttg gtgggttttg      480
55  tcaaacgagc agagacataa acttggtttg cacaatgcan nntaattggt gtattgggtt      540
    ggacaagaag cttcatgatc tgaatcttgc ctttgatgat tggagaaagn nnctgtcttt      600

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5 gtcagnnnca gtgcagaaca cgacgtggag tgnnnctatg aagtgtttgg aagattgaga 660
 ttcncttctt tctttgtttt gttgagattt ggatgaaaag tatattttaa aatgaagagt 720
 ttattgttcg tgcaaggaat attccttagc tctctaattc aatcaaata tttttttgat 780
 ggttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 816

10 <210> 749
 <211> 816
 <212> DNA
 <213> Arabidopsis thaliana

15 <400> 749
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 taacaaaaaa aaaagaacaa aagattaaac taaaattaag attagagaag acatcatcat 180
 ttgcaagtcc aagtcccaa ccttctagct caaagagagt ctcttcacgt tccacattcc 240
 20 atcttagtta ctccccact gtttgtgacc aggaacccat ttaggacact tggggctgaa 300
 gtaactatca acaacccttg agttcaatag ctcgataatt ggagcaaact tcacgcattc 360
 cggcgtctta tactgattaa tcgatgctcc caagctgatt gcgtaatcca tgagcttatt 420
 gaatgtccct ggctcaacaa tcttgatctc aagcgggctt atggacttgt cactaacctt 480
 tccttgtcta taaacagtgt tgaatgactc ttctacagct aagcagcagt cctcgaagac 540
 25 cgaaggaggg atcgggtgtg ttccatccaa acatagctcc caaacagga cataatggcc 600
 tgggatggaa cttgtgtctg catagctcgt gtactcagag agtgaggcat caaatgggac 660
 aagggtgtgtc actgcgttct tcaccgcgtt ctgaagctca acctcgtcgg tcttgctcga 720
 atctatgctc aagaccacat ttttgcgaca tatgaaactg aattgaggcg ctttgttctt 780
 gaaaccagtc actctcaata aatcaccaac tctgta 816

30 <210> 750
 <211> 815
 <212> DNA
 <213> Arabidopsis thaliana

35 <400> 750
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 tgacttgcaa ggacactcaa caatagccac gcgaaagaaa aataatcaa aagaaaaaaa 180
 40 aagagttgaa gagagaatat gagacaagaa gagctaatac acatccactt caataattca 240
 ttcaccattg tcaaacggtt acagctttct acaacttcag ctcgatcacg acttacacat 300
 catgcttcac tgctgttgct gctggtatcc accaggctgc tggtagtttc catagccgcc 360
 cccagcataa ccaccgtagt aggcgttagg gtcttgagga ggaggtgcat atccgtatgc 420
 ttcatatcct tgaggaggat acccatagta tcctccacca ccaccatact gggcttgatc 480
 45 aggttgagtc tgtttgttg aaggactgcg accccatgaa agacgaatgc tttgtcccc 540
 aagttgtgtt ccgttcaaca cagaaagtgc ttgctcagca catgccctat tggcgtattg 600
 aacaaatccg caacgttttc ctgcgggtat tttcacatga actagtccac caaattgacc 660
 aaaaactgac ttcaaatcat cttctgttac actttgatcc acagctccaa caaaaattgt 720
 tgtgttagtt ggatcacttt ctctgaatt tccttgagtg ttctgatatg aagctggttg 780
 50 cattgtaaga ggcttcttgt tggcagcagg accag 815

<210> 751
 <211> 815
 <212> DNA
 55 <213> Arabidopsis thaliana

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5  <220>
   <221> misc_feature
   <222> (1)...(815)
   <223> n = A,T,C or G

10 <400> 751
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    cattgattaa taaaagttta agtagctctt ataacaccat ctcatttggg gcaggtaggt      180
    tcgaatgcga atggaccaac gttgtacaca ctgtacttga accatctcat gatggtcgag      240
15  gaaaatcctg gtttcaagac cggctttaga acggagccct tgcctccatc gtggagtgac      300
    gacactttgc tgcacttggt gtctggagga ttcacgagga aagctcgaca acctttgata      360
    tcgtagttag tcaccgtctt aggggccagg agcatgaagt atccgttctt gtccgtcttt      420
    gtctccgata ttgagttctt cttgttcttg cacacaagtc tcaccaccgc atctttaacg      480
    ggttttagcg cttggacggt gttgacgccc gcgtacttgc aagctttgca gtagaccaca      540
20  cctctaactg ccactagggt cttgttgtac ttaggagggt aaactgggtg gagaacagga      600
    ggtttgatcg gtgggagagt tggtaactta atcggagctt tggctgggtg gagagttggt      660
    agcttgatcg gagctttggc tggtaggtag gctggtagtt tgatgggagc tttggccggt      720
    ggaagagttg gtagtttgat tggnggtagg ggaaggtgtt ggnnnaggct atggaaggga      780
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25  <210> 752
    <211> 815
    <212> DNA
    <213> Arabidopsis thaliana

30  <220>
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    tgtctcctta ggattgtggc ttgatcaggt aatgagacta tgtgcttcaa aattgagact      180
40  tgtttggtga aagaagcgga tgaaaaagtt tctgtgtaca gcgagaggaa ttagtggttt      240
    ctgcttacga atgatatgag aggttcttgg tacaagagtg tttcctctgt ttttggtctc      300
    agaccacgga tcagagggtt gttattcttc attgttggtg ttgtggctct agttactatt      360
    ttagcaccat tgacatctaa ttcgtatgat tcttcgtcaa gttcgacact tgtgccgaac      420
    atttatagta actataggag gataaaggag caagctgctg ttgattatct tgatctgagg      480
45  tctctttctt taggggctag tttaaaagag tttccttttt gtggtaaaga aagagaaagt      540
    tatgtgcctt gttataacat aactggnnnn nnnnnnnntg ggcttcaaga ggggtgaggag      600
    ttagatcgac attgcgagtt tgaaagagag aaggaaagat gtgtagttcg tcctccgaga      660
    gattataaaa taccacttag gtggccactt ggtagagata tcatatggag tggaanntg      720
    aagattacca aagaccagtt tctttcttca ggaactgtga caacgaggtt aatgttgctt      780
50  gaagagaatc aaataacctt tcaactcgag gacgg      815

    <210> 753
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    <212> DNA
55  <213> Arabidopsis thaliana

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attaaacaaa tctcaagatg gatcctccgg agaattaaga ttcgtcgttc aagatacacc 180
cggttaagcc caaacgccc ggtttgcaag ccgagagcca tcacaaaact cataagttgg 240
10 ggtcgaagtc tcacatccca cagcgccagg tttattgggt ctaaatgctc caattcaggg 300
tacataccaa ttggtcaaga acccattcga gaaaagccc acccggttcc gaaaggtcac 360
tcggcggttt atatcggtaa aaaagacggc gactttcaga gagttttggg gcctatcggt 420
tactttaacc atcctctgtt tggtagagctt cttagagagg ctgaagaaga atttgggttt 480
tctcaagaag gtggaatcac tatcccttgt ccttactcag atttcaaacg ggtccaaacc 540
15 cgaattgaat ccgggtcggg tttctgtaaa ttccctgga gccggcgggtg gcaataacga 600
cgggtggaaga agatgatgat gatgaaaaag ttctttaact cttttttact attttctacc 660
ttttcacttt tgttactatt ttacccttt tggtagatat gtacatattc tgtatgtgaa 720
aagtgagggt tgaatttagg cgataatgta aataatatag agatttttta ttaaaaaaaa 780
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa 815

<210> 754

<211> 815

<212> DNA

<213> Arabidopsis thaliana

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caattcatta acatcagagg tggaagctct aaaggcttcg cttcaggctg aacgacaagc 180
30 cgcagaaaaat ttgagaaaag ctttctctga ggcagaagct agaaattccg agctggcgac 240
agagcttgaa aatgctacaa gaaaagcaga tcagcttcat gaatcagtac aaagactaga 300
agagaagctt tgaatttcag agtcagagat tcaagtactc cgtcaacagg cacttgctat 360
ttcgccaacc agcagaacta tggccacacg atcaaaaaca atgcttttac cgagaactcc 420
agagaatgga aattatctta atggaggaac aaagactaca ccggacatga ctcttgctgt 480
35 acgggaacca gagtctgagg agaaaccaca gaaacatctg aatgaaaagc aacaggaaaaa 540
ccaggattta ctagtcaagt gtatttcaca aaatcttgga tacaatggag acaagcctgt 600
tgctgcattgt gtcatatata aatgtcttct tcaactggaga tcatttgaag tggaaagaac 660
tagcgtcttt gaccgtatca ttcaaacaat agctacagcc attgaagtgc cagataacaa 720
tgagggttttg gcgtattggg tatctaattc ggccacctta ttattgcttc tgcaacgcac 780
40 actcaaagca actggagcag ctagtttaac accgc 815

<210> 755

<211> 815

<212> DNA

45 <213> Arabidopsis thaliana

<400> 755
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50 aagacatata tagagtcgac atgggttttg ctctttttta agtactaagt gattggtaac 180
catcttcccg tttctgtctc cggatatatca cggcggctat taaaaccaca acagccacaa 240
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55 ctccatagct cactttcact ggatcagctg gataacaaga cgacattcca acaatgtaac 480
cagcttcggt tccaggttca tctccattgc catacttcgg cattgaagcg catatccctt 540

5	caccgtttctc	tcggtataga	gcaccaccga	taccaccagc	gtgctggtga	gctaccccg	600
	agacaatata	cccatcaa	ggcatcacta	agctcttttt	cttaacgtca	acgcatccat	660
	cgccattgg	tttgacgg	ttcacctcgt	attccacatg	gcaa	atgt tcttggtat	720
	ctccttttga	tctttcccaa	gaatctgtaa	catcgaaaat	ataaacctta	gcgggcaaaa	780
	ccgagctgtc	ccaatcaacc	catctcacgg	tatac			815

10

<210> 756
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 <212> DNA
 <213> Arabidopsis thaliana

15

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	gtatatcaca	ttttaacttt	tgataattat	catcatcttc	cttaattgga	cttcatctca	180
20	acgtctgcgt	catctttagt	aagagtatct	ggagaatctc	gcggtaaaag	accgagaaga	240
	ggcagaggga	gcaatgagct	aagattgcag	aggataataa	gtgttgataa	gttaccaaaa	300
	ctgtctcttg	taatgccgaa	tgcttgagtc	agtcctgcac	ccataagccc	acctagaaca	360
	ctgcctccgt	tagagattga	catgagtgtg	gcgaacagag	ttgcttccat	tccttctgga	420
	cataatctcg	ctgctaacac	aagaaccggc	atgaatgaag	cctgagcaag	gactgttagg	480
25	attagagagt	ctcctatagc	aaaccattcg	tcgctaattc	ccaactgtct	gttaaaacct	540
	gacacgagga	taacctgagt	catcccaaga	cccgtgccaa	aaattgtcgt	cacgagaaaag	600
	atttttctca	atggaacagt	cttcaggaat	ccattgtaca	gtcctactcc	aagcaatgag	660
	gcaattgagg	tcacaagttt	aactcgtccc	agaaactccg	gggtaaaacc	gagtttgttc	720
	gttggtgaag	aaaacattgc	agaatctgag	tgtggtgtgg	cttgccataa	gaatataaat	780
30	aaggtgggga	gaaaaacatt	cggttgctta	atgg			814

<210> 757
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 <212> DNA

35

<213> Arabidopsis thaliana

	<400> 757						
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40	aaaacgaact	ccctcaaaga	acacaaaagct	cacacaaacc	ccccaaagtc	acatctcctt	180
	gttttaaacag	gtagttagta	cttagcggaa	acctccttcc	acgcagcacg	gctactaatc	240
	ttatcccacc	aagcgctaac	atgcttccta	tctttgatca	aatgagcctt	cccaatagga	300
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45	tcttcactct	ccttaataac	tttctcatca	gcagggaaac	ccataagtgg	tgcaaagaca	480
	atggttagcg	ttaaagccaa	tagtggtgga	tggttaacttg	tagcctcaac	gtctaaccat	540
	tgctctactt	gtcctctctc	ttcaatagtc	ttccccaaaa	gatcagggtcc	ttgtgatcta	600
	tacttctctg	ctatatacct	catgatcgca	cgcgactcga	agattttgta	gtctccgctg	660
	acgaggactg	ggattttacc	gaaaggctga	atcgcgagat	actcaggctg	tctctgttct	720
50	cctttcatga	gatcgacatt	gacagtttcg	aatgatactc	ccttctccac	caatgtcaca	780
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<210> 758
 <211> 814

55

<212> DNA
 <213> Arabidopsis thaliana

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 cagaacacaa catgtcaata aacctgtaaa cactctctct aacttggaac tagtctcaca 180
 10 aagtaacgta caacataaca tgctcacgga tagccatcga gcacgccttt gagtaggttt 240
 aacccttccg cagatatgct ccgcctcacc cgtgactgca ttcggatctc tatcctctgt 300
 ggaggatccg gagagaagca cacaacaatc actgtcaaat tgtcacatgt attccgttta 360
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 ttcctagcta ttgtcacagc gcactggctg ctcatcacat cccacagacc atcacatccc 480
 15 attatcaaga actcgtcgtc ttcactcagg tctgtctctt gcaactctgg ctctgggctt 540
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 gatagttgcc cgttgaggta accgtcatat acaactccac ctaacttttc tattcttact 660
 ttctcggctg tgcagtttgg tttgtgatct ttggacaact caattgccct acctcttctc 720
 cccagtactg ctccggcaatc accagcattt gcaattatca acctccgtcc aaaaataaaa 780
 20 gctgtaagcg cagtgggtccc agaagagcgg acgc 814

<210> 759

<211> 814

<212> DNA

25 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(814)

30 <223> n = A,T,C or G

<400> 759

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 35 tttcaactca ctctaacctg ttcttgtgac taatcgattc ctaatactcc agtgcaaagg 180
 gatggaagtg aaatcagcct aaatgtttct taatcattgt ccatattgcy tttgctgggtta 240
 ataataacta agtagcttct tgaagagagg aacaatcgca accatagcaa gttggagctg 300
 ctccggagctg ttaacacgaa cacttacttg ccctgctcct ctattgttca gattagcacg 360
 agcaattaaa ttagaggaac gtccaatggg aacctgagac tgtatgttcc ctccaatagc 420
 40 aagatcaccg tgccaatcca ttacagaaag tccaagagta gtcaaaaacc gaccaagcgg 480
 ataatcttta tctctcaact gagctnnnaa agtaccacca taagcaaaaat ctccccgact 540
 agtcatagct ccaccagaca ttacgattct gaaccattta ctagcaataa acttatcttc 600
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	ccaggctttg	ctcccttcac	acctttttctc	ccgtgaagaa	tatcatgaag	agatccattt	780
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   aatcaatctg ctttttgata tttttagta agcaactttg ttgttcgttt tcagaggatt 720
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   gctgcccagg tttatcaagg ttttcccagg agattacaaa cgtgttttat cagccatgaa      180
   acacgaagag gtctccaagc aagcaatcga gcgggcttct gagaaagctg acgagactga      240
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   gtcaaaagag gagatgtcag gaaacggagt ggcagctgaa gctagacctt ctaaggtaga      360
   taatgctgtt aaaaacgggt gtttcattgc ttatgagcgt gagggagtta agtacaggga      420
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   agatccgaat atacactcaa ggtggatagt gatacaacat ttgttgcatt agtagaacca      420
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   aacactatct ttgcaacat cacaagaaat gtttcctttt ctagaatatg atgtggagat      660
   gaataaagga tggtcatgac tttgtgggt gaaacaatca ggaactaaaa tgcacgaaa      720
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	tggttgtgaa	taatatttgt	taatnccctn	nnnttttaat	aataaagaag	tttgatttgt	720
	ggcttggtcg	aataaaaatg	tattgttgn	naaaaaataat	aatgtaattc	acatccatta	780
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5 <220>
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10 <400> 805
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 accgtgagtc cttgtatggg cttcataacc aacagtagca gcaatggaac ttcgccgtcg 180
 tctgattggt gtaactcgct gaggtctttg accaccggag gaatgggatg tctttgtcta 240
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 ccccggtgct gtaacatgcc tagagtcctt cttcaatgcc aagccaatat tgctccagct 360
 gctgctcctg gacctgtctg tacattttgga ccatcgatgt ctccaggacc agagacggat 420
 ccaattgttc cagagccaac tccggcagct cagacaccac agtctgatac aaccgcacca 480
 tttacaccat ccgtcgacgg tggagctcca acatcagacg acggaggaag caccagtcga 540
 20 ccttctgaga ctctctcatc cgcctacgca ctctcaccat ctcttctctt cttcagcatc 600
 gccctcgtag ctctcaaatt ctactgatga ttctttttgt ttctttgcat tctttatgtg 660
 atttgattta tgcctcgttg attatagaaa gaaaccattt atttggtcat tgccttgtgg 720
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 taatacatca tcatttttat gga 803

25 <210> 806
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 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 806
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 attttgcgtc cattgtcgag aaccttagtt tcgcgtgccg tcgttaacta ctcgctcgcg 180
 35 ccgttcaatg cgacgattcc ggctgctaaa cccgagttat gttccttctt cgggtggatcg 240
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 aacaatccta atgaggggaag tgtgaagaga agaaatgcga agaagcgc ataggcagcgt 480
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 gctgaaagac tgattgagct tcaacagctg gaagaagaga agaagaaatc aatgtcttct 660
 tgagatcaaa catagaaata atcctaaatg acaatctctt ttcttgtctt gagttagaga 720
 attactcttc tttgttgtgt ttggcatggt ctcttgagag ttaactcgct atgttgtctg 780
 45 aagaactgag agttacttga aaa 803

<210> 807
 <211> 802
 <212> DNA
 50 <213> Arabidopsis thaliana

<220>
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 <222> (1)...(802)
 55 <223> n = A,T,C or G

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 tggtcacgag ggagatgtta atacgggtcaa gttctttccg gatgggtata gatttgggac 180
 tggatcagac gatggaacat gcaggctgta tgacataagg actggtcacc aactccagggt 240
 10 ctatcagcca catggtgatg gtgagaacgg acctgtcacc tccattgcat tctctgtgtc 300
 agggagactt cttttcgctg gctatgagc caacagcact tgctacgttt gggatactnt 360
 cttgggagag gttgtattgg atttgggatt acagcaggat tcacacagga atagaataag 420
 ctgtttgggg ttgtcagcag atggaagtgc cttgtgtaca ggaagtggg attcaaattc 480
 aaagatatgg gcgtttggag gacacaggag annngatttga agaagattta acgaaagtag 540
 15 gagtcacnnn tccagttgtt ggtaatatn nncngtagtc gggaaagtaag gttcgggttg 600
 tggaaggtgt ttggtttgaa atagtggagt ggtagaaga attaaacttc cttttttgta 660
 gtgtgctttg atttatttat ttcttcattg ggaactaaac tccttcaaca cgctactcaa 720
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 aaaaaaaaaa aaaaaaaaaa aa 802

20 <210> 808
 <211> 802
 <212> DNA
 <213> Arabidopsis thaliana

25 <220>
 <221> misc_feature
 <222> (1)...(802)
 <223> n = A,T,C or G

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 aaaatccata agaaaaagga aaccaaatac aaaaaacaaa aacgacgttt catcctcaa 180
 35 acttgtctct atggtttaat aaattaacaa taacagaaga catctagagc tcactgtgag 240
 actcatcttc ctctcagtc gatgattctc ctctgcacc tgggtgctccg cctgatctct 300
 ggtaaaactgc tgtgatgatt gggttacaca ctgcctctac ctcttgagc ttctcgtcgt 360
 actcttcttt ctctgagttt tggttctcgt cgagccactc caaggcctct ttctcgtcgt 420
 cttctatctt ctcttctca tctcttcca atttgtctgc aagcttgtcc ttgtcgtcga 480
 40 cttggttctt catgttgtag acgtatgtct ccagggcatt cctggcgtcg atcttctcct 540
 tcaccttctt gtcttctct gcaaaactct ctgcctcctt caccatccgg tcaatctctt 600
 cttggctcag acgacccttc tcgtttgtga ttgtaattct ctctgattta ccactcgcct 660
 tgcctctgc tttcacatta agaataccgt tggcgtccac ttcaaagtgt acnnnnnttt 720
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 45 agtccttggt gagacttctg tc 802

<210> 809
 <211> 802
 <212> DNA
 50 <213> Arabidopsis thaliana

<400> 809
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 55 ccactgacaa aatcattgct gaatacatat ggggttggtg ttctggaatg gacatgagaa 180
 gcaaagccag gactctacct ggaccagtga ctgacccttc gcagctacca aagtggaact 240

5	atgatggttc	aagcacagga	caagctcctg	gtgaagacag	tgaagtcac	ttataccctc	300
	aagccatatt	caaagatcct	ttccgtagag	gaaacaacat	tcttgtcatg	tgcgatgcgt	360
	acactcccgc	gggtgaacca	atcccgaacta	acaaaagaca	cgctgcggct	aaggtcttta	420
	gcaaccctga	tggtgcagct	gaagtgccat	ggtatggtat	tgagcaagaa	tacactttac	480
	tccagaaaga	tgtgaagtgg	cctgttggtt	ggcctattgg	cggttatccc	ggccctcagg	540
10	gaccgtacat	ttgaagacgg	caaaaccaac	ataaggaaga	agaatagatt	taccgaaagg	600
	aaaagtctct	caagcacgcc	ttttgctgag	acgccatgag	ttaggctcgt	ggtaacgggtc	660
	atacaacggc	tcaatccggt	cttggcgctt	acgcttgctc	atTTTTgttg	ggtcagacac	720
	tttgaagaac	cttggagcta	actcaacaag	ccactttggg	tcaatcacag	tcacttcctt	780
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<210> 810

<211> 801

<212> DNA

<213> Arabidopsis thaliana

20

<400> 810

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	aagctgcaac	tgctgtcaca	gctggtgggt	ccctccttgt	tctctccagc	cttacccttg	180
25	ttggaactgt	catagctttg	actgttgcaa	cacctctgct	cgttatcttc	agcccaatcc	240
	ttgtcccggc	tctcatcaca	gttgactctc	tcataccggg	ttttctttcc	tctggagggt	300
	ttggcattgc	cgctataacc	gttttctctt	ggatttacia	gtacgcaacg	ggagagcacc	360
	cacagggatc	agacaagttg	gacagtgcaa	ggatgaagtt	gggaagcaaa	gctcaggatc	420
	tgaagacag	agctcagtag	tacggacagc	aacatactgg	tggggaacat	gaccgtgacc	480
30	gtactcgtgg	tggccagcac	actacttaag	ttacccccact	gatgtcatcg	tcatagtcca	540
	ataactccaa	tgtcggggag	ttagttttatg	aggaataaaag	tgtttagaat	ttgatcaggg	600
	ggagataata	aaagccgagt	ttgaatcttt	ttgttataag	taatgtttat	gtgtgtttct	660
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35	ttgttttgtt	aaaaaaaaaa	a				801

<210> 811

<211> 801

<212> DNA

40 <213> Arabidopsis thaliana

<400> 811

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45	tacgagattg	taacgcacag	ggcaaaagga	aaatccttaa	cgattagcct	tggaactctt	180
	ttcaatctca	tccttcttct	tgatggcata	gctgttgga	gagcccttgg	ctgcgttgat	240
	caattcatca	gcaaggcact	cagctatagt	cttgatgttt	ctgaaaagcag	cttcacgagc	300
	accagtggta	atcaagaaga	tagcctgggt	aacacgtctt	agaggagaga	tatcaacagc	360
	ttgtctccta	acaacaccag	cagatccaat	tctggtagca	tcttcacgtg	gaccactgtt	420
50	gacaatggcg	tcaatgatga	cctgaattgg	gttcaagtca	gacaagaggt	ggataatctc	480
	catggcggtg	ttgacgatcc	tgacagccat	caatttctta	ccgttggtcc	tcccgtgcac	540
	catgagagag	ttggtgagcc	tctcaacaat	ggggcactga	gccttcctga	atctcttcac	600
	agagtactct	ccagcggtgt	ggggaacaaa	ggtagcatgt	ttagctgcct	gaactccaat	660
	gtagtcaaca	agactgatgt	ctgtgaccgt	aacgtcgtca	taggtccagc	ggttgaagag	720
55	cttgacttcg	ttagtgagcg	cctgctgaat	ctcagcgtca	acatctgcgg	cggtggccat	780
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5

<210> 812
<211> 801
<212> DNA
<213> Arabidopsis thaliana

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<220>
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<222> (1)...(801)
<223> n = A,T,C or G

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taacataact tcacatatgg taacgaggca aatgcagatt ttattttctag catttttttgt 180
20 attattcgc tttatagataa aagattctac agagggtgtg gccttgactg aacaatgtaa 240
acatcttcac caaccaaaca accttcaacg tcttgagcac agccaaagtt tctttccaag 300
aagaaaccaa ccgaaccgag tctctgaccg agctgctgtc taaacaccga gtcaacagtt 360
aaacgttttt tgctatagtc cacggtcaac cgaacgtatt ttccatcagc aggacctgtt 420
cctgacacaa gaagctcttc gctgaagttt gcgaaagcta aggtttgtac aatcccgtcg 480
25 agcttaccnn nagcgagtct ccattggtgtt cctctgttct ctgaagctaa agtctcacct 540
aaaccaggag cgatctcggc ttccacaagg ttactgtccg gatcagctgg actcactgtg 600
tgcagaacga atgataagtc cggcgaaagc atttcttgaa cgagaacagc cattgaagct 660
tctctttgag agacaccagc agctctacgg cttnnnacag ctcttcttgt gtagagagaa 720
gcccaaactt ggcaaaccga atctgaaaac accaaaggat ccgaggggact cacgttaggg 780
30 attgattcat agagtctctgc a 801

<210> 813
<211> 801
<212> DNA
35 <213> Arabidopsis thaliana

<400> 813
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40 gttttcgccg gcgacgtagc tgcaaaccct tctctcgccg cctatggttt ctgcaacacc 180
gttttgaaaga tcgaataaccg agtcgctgat ctggctcgca ggctcacgtt gcaagaaaag 240
atcggggttt tagtgagtaa agctaaccgc gtgactcgtc ttgggattcc aacgtatgaa 300
tggtggtctg aagcacttca cggcgtttct tacatcggac ccggcacgca tttttctagc 360
caagttcccc gagctacgag tttcccgag gttatactca ccgccgcttc tttcaacgta 420
45 tctctgtttc aagccattgg caaggctcgtc tcaacggaag cgagggcaat gtacaacgtg 480
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ggaagagggc aagagactcc aggagaagat ccattgctcg ctagtaagta tgcttcaggg 600
tacgttaagg gtcttcaaga gactgacggt ggcgattcta accgtctcaa agtcgccgcc 660
tgctgcaaac actataccgc ttacgatgtc gataattgga aaggcgtaga acgttacagt 720
50 ttcaacgccg tgggtgactca acaagatatg gatgatacgt atcaaccacc gttcaagagt 780
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<210> 814
<211> 801
55 <212> DNA
<213> Arabidopsis thaliana


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      cccctaataa aagttccttc atacaaaact gctattttta tatgtaccgt ccgattaaca      180
15     tcatcgaacg acgatcttta accgagtcca ccataagacc cttgtttgta accgtagcag      240
      aacccttttc ctcacactac tctgctacaa tcagcttttag cgaaaccac tcttctattg      300
      gtcacatcga actcaaccca aagattttgc tgatgaacgt tcccgattat attactagca      360
      gctccaagca tactcgaccg tccgattcca acgcaatgaa tcccacctcc tacgttaacc      420
      aaaaccctct ctttcggaac aagtatctca actcctctag tgaacacaaa cacaagatct      480
20     cctatcaacc gtgggatcat cgccacgttt ccatnnaaac acatgtcagc tgttccaccg      540
      tagacgtaac nnttctttta tcttcgtcct acacgtgtca ttatctctgc tcttacttta      600
      tcgtaagctg cnnnnnnnnn ntgagtaaac tcggatcccg aatcaaccat tgtttgaccc      660
      gacccgctg catcgggtct gaaaaccgaa ccggaaatgt taagcttctt caaaccaa      720
      ctaatcccaa tcataggaac agtgtaagca agaggacca gatttggcat tcgttgactt      780
25     tcaggaaaag tcaacaaaga a
      <210> 815
      <211> 801
      <212> DNA
30     <213> Arabidopsis thaliana

      <400> 815
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35     cgtagacggc ggtttggtga tgaacaatcc aacagcagct gccgtcacgc acgtgtcaca      180
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      aaacgggtccg tcgaccatgt catcatcacc agggaggaaa ctccgtcgta acggagacta      300
      ttcaacgtca agtgtggtgg acatagtggg tgacggcggt tccgataccg tcgatcagat      360
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40     gacgagcggc ggagcggagg agttgctgaa agagagaggt gtggaaacgg cgccgtttgg      480
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      tgttgcgtca ggaaagtcaa gtctacctcc aagtccttgc aaggaatctg ccgttaaccc      600
      tctcgctgac ggccgttaag tttcctttat tattataacc ctccccgtcc gtgatgtaag      660
      aagtttgtaa ccaaaccctt ggggttaattt tttaaccca gccagcatct tcgagttaat      720
45     taattagcct ttcttttttt ctaatgactt tagttgagga attaataatg gttaatgaat      780
      gatagtcttt acttatttat c
      <210> 816
      <211> 801
50     <212> DNA
      <213> Arabidopsis thaliana

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10 tggaggcggt gatgggaaaa tgggcgtaca cgaacctcat cttgtaacgg aaacctctgg 540
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   tgcgtgttcc aaaccacgaa tcgatcttaa gcttcttctt tccagtctct ggatccttga 660
   tcagctggaa atcgagggtg agatgcttga aatcgcgaaac aagcttcccc cgaggctcctt 720
   cgacttcgat cacttttagcg tgaaccttga tggtaacact gtcgggggatg tccatcggtt 780
15 cggaagaaag aatcgtcttc a                                801

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20 <213> Arabidopsis thaliana

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25 <223> n = A,T,C or G

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   caccgacacc tgttccagag agctctcttc cggttcttgc accaatggtt tcttctccag 360
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35 cggttgctga tgtaccggct cctgctccaa gcaagcataa gaagactaca aagaaatcga 480
   aaaagcatca agctgcacct gctccggctc cggaacttct cgggccacct gcaccaccga 540
   ctgaatctcc cggacctaac tccgacgctt tttctcccggt tccttccgcc gacgatcaga 600
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   gggccggttct cggttatggca ttctaaatta tttatcattt cacctctgat atttnntagt 720
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<210> 818
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45 <212> DNA
   <213> Arabidopsis thaliana

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   caaaagcatc tatactctga cactccatgg gtggacatgg agctcttact atatactga 300
   ggaacctcga taaatacaag tctgtatctg cgtttgcacc aatcacgaat ccataaatt 360
55 gtgcatgggg acagaaggca ttcaccaatt atctaggtga caacaaagct gcttgggagg 420
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5	atcagggaga	aaacgaccag	ttctaccctg	atcagttatt	gccagcaag	tttgaggagg	540
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	actatttcat	tgccaccttc	atcgaagacc	acattagtca	ccatgctcaa	gcccttgagc	660
	tatagctcac	ttcatctgct	tggaaaccgg	ctttgggttt	gtccaagtat	tagtatctca	720
	ataaagcaag	tggacttgta	atgttttatg	ttcaataact	cccctgtgtg	ctcttttgtc	780
10	tacgataata	ataagaaaat					800

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<211> 799

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(799)

20 <223> n = A,T,C or G

<400> 819

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25	caaagatcct	agcccagtta	agctgaatth	aggagttggg	gcttaccgaa	ctgaggaggg	180
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	aagaatcaag	gagtatcttc	ccattgttgg	attggttgag	ttcaacaagt	taagcgctaa	300
	gctcatacta	ggcgcctgaca	gtcctgctat	tccgggagaat	cggattacca	ccgtggagtg	360
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30	gaaaacaatt	tacatcactc	agccaacatg	gggaaatcat	ccaaagattt	tcacgctcgc	480
	tggtttgaca	gtgaaaactt	accgatacta	cgatccagcg	acgcgtgggt	tgaactttca	540
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	tgcccataac	cctactgggtg	ttgatccaac	cattcaacaa	tgggagcaaa	tcaggaagtt	660
	gatgcgatca	aagggttgga	tgcccttctt	cgatagtgtc	tatcagggtc	ttgcaagtgg	720
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<210> 820

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40 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

45 <222> (1)...(799)

<223> n = A,T,C or G

<400> 820

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	acattcagta	acccgtaata	acgcagttat	gcgttacaag	gagaagaaga	aggctcgcaa	180
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	aaaggggcga	tttgtcaaag	ctggtgaagc	ttatgattac	gacctctca	cccaaccag	300
	aagttattga	agactccttt	tgaaggttac	atagatatat	atacatggcg	aagaatcgaa	360
55	caagnnnnnn	tttgacttat	gggcagtttc	aagttagcaa	nnnnnnaaat	tgtgggttag	420
	taacaaaaca	agactactgt	agcatgaaca	gatttcaaga	ctgactcttg	taagcaatca	480

5	ttcattcttg	ggattcaatc	gttttttttt	ggcctcagaa	gcttcattct	tgaccagagg	540
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	ggagatttag	agtaatttaa	acaatatgtg	attgttgtat	atgcctttgt	atttgtttgt	720
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<210> 821

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<212> DNA

15 <213> Arabidopsis thaliana

<220>

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<222> (1)...(799)

20 <223> n = A,T,C or G

<400> 821

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	ccaccagag	acacgtgtcg	ttagctggat	ttgcaaatac	acgtgttgga	ggaaaaatct	240
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	cgccgaatat	atcgaccttt	gattcttttg	tnncttcacc	gttaactaca	caatagatcg	360
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	atcaaaggaa	ggagctggaa	aagaaacacc	gttaagcgag	tgatcgctta	aaacacttcc	600
	accaacacat	aaccaatgaa	attattgaaa	cacggagaga	taacgtcgga	ctacgccgga	660
	aaaacccaaa	agccagccaa	caccgctata	gaagccggac	gatgccagac	atagagccag	720
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<211> 799

40 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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	agaaatgtgt	tcaaggtctc	aagcacacct	tttgctcaag	tgggttactc	cagtaagacc	180
	attgagtga	aagaatcaag	gataggaag	caaccgatcg	ctgtaccttc	caatgtaacc	240
	attgcattgg	aaggtcaaga	cttgaaagtg	aagggtccat	taggagagct	ggctttaact	300
	taccacgcg	aagttgagct	tacaaaggaa	gaatccgggt	tcttaagggt	caaaaaaac	360
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	ccatacaagg	ggaaaggagt	caagtattcc	gatgagatag	ttcggaggaa	ggaaggaaaa	720
	gctggaaaga	agaaatgatc	ttcatttttc	attattatct	acttacttat	ctcttccttt	780
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<210> 823

<211> 798

<212> DNA

15 <213> Arabidopsis thaliana

<220>

<221> misc_feature

<222> (1)...(798)

20 <223> n = A,T,C or G

<400> 823

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<211> 798

40 <212> DNA

<213> Arabidopsis thaliana

<400> 824

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	atggcctctt	ctttctcttc	acaagccttc	ttcttgctca	cattgtctat	ggttttaatt	180
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	agcccaagcc	cattaacagt	tccggatatg	ccttcgccgc	cgatgccatc	cggaatggaa	480
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<210> 825

<211> 798

10 <212> DNA

<213> Arabidopsis thaliana

<400> 825

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	tccaacaaca	aacccaaaga	cacataaatg	atcaatcaat	agacaaagat	tcatctaaaa	180
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25	caaagctaag	gaggaaacaa	gcggcgacgg	agccaagaag	ctgagcaatc	cagtagagaa	720
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30 <211> 797

<212> DNA

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<400> 826

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50 <210> 827

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55 <220>

<221> misc_feature

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25 <211> 797

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 ttctcgtcgt tcttctctct catcttcttc atcctcttgc tcttcttcag ctccaacatc 480
 55 gccgattacg ccattctcaa cctcttcagc tgctttctcc gataaaaccg atgattctgc 540
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5 tccgtctttg gactcagaat cagcagaatt caatgaagga ttaagcttct gagccttggt 660
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 cacaaagga gaaatagatt tcacagttga gttataagca gagataattc atgatcatat 180
 acaataaaac aagtccctta ccaaagctgg ttcaaggatc tggtttgcca gcaattgcaa 240
 20 catcatcatc atcatcatcc tcattatctg agccgtattc ctcttcactt agttcttcat 300
 cgctagactt atcttctgaa ccttcccttg gctttgcata ctcttcacag tattctttaa 360
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 gatctgatgg gtttggtatc agaagaagct gaggaagaaa tgtctcaaac acattcacia 480
 ggtcgaacat aggactccaa gtttggttaa tcacatctaa acaaacagaa cccgacagtt 540
 25 catcaacatt aggatgataa attttagtaa tgaaaccaac agatggagat ttataaggat 600
 aagcatctgg aagctcaact cttatcttcc acacacctcc ttgatagaga ctgtctttgg 660
 gaccattgaa ttcaacatag aattcttgca tgccatcggt gatcgtttcc actttataat 720
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 40 ttgaactttt cctctttttc tccctcttc aacttcagta gcatgttgta ttttgcagcc 240
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 45 cagggcttga cccacacttt ggcttcgtaa agcttcttct gtctgcttc gagaatctcc 540
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 aactcaagaa gtgcattctc tttcttggtg tggtcatcga cagcgaaacg agcgaggctc 660
 tcaacctcac cactgttctg attagcaggg acatcgccaa cactccgac taaagccatc 720
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 50 aagaaacgga cgcgt 795

<210> 836
 <211> 794
 <212> DNA
 55 <213> Arabidopsis thaliana

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5  <220>
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   <223> n = A,T,C or G

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    tcagcgtaga atctattcga tttcgatccc aagttttttc cttagctcag gaacgaactt      180
    aatgatcttc tccgaatcag gaagagactt agccacactc tctctctcca cacacctttt      240
15  accccaagnn atcagttttg gacactcggc ttcaatgctg aaactcccaa acttctcata      300
    cgcttcaaac caactgtaaa atccaatgag agctatatca acataaccga atgtttcacc      360
    tccaaagtaa gtcttgtctc caagctcaga ctctagtgtc ttgagtatct cgatgaactc      420
    cttcttcccc gcctcatgct cttcgctttt agctccccc aaacaaacctcg ctgaagcata      480
    caccttctta tcaatgaaat ctccccaaaa tttggcctga gctcttttgg aaggatcaga      540
20  aggaagaagt ggggttttgc taggccaaac ttcgctgatg tattcgatct ggatgagtga      600
    ttcacatacc ggannaccat tgtngatgan nnnnngtatt ttcttatgaa ccggattcat      660
    ctcgaggaga atcgggcttt tgttccacag atcttgttct ctgtaatcga atttgacatt      720
    tttctcttct aaagcaatcc tcgtcctcat tccaaacatg ctcggccaga aatcaagaag      780
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25  <210> 837
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    gctaattggat cagtgaaga aggaggtgtc tctcaggaag cattgatgca catgcatggc      180
40  ttgaaagcta aagtcactaa acaagttaga gagctctctg tagaggcagg tggtaaagggt      240
    tctgctaaga aagatctcaa cacccaacga aatttgttca aagatcttgt tgaatttctt      300
    gaggatggat atgctcctga aacctcaaca aaagtcggag gggactattt acagacgtca      360
    acgtgggtatc agatgataca gttgaattat ttgaagcatt tcctaggggg tggctttatt      420
    aagcatatgc aggagaatga attccttcat gatgtattta gtttcaactca gctcttaaca      480
45  aagcaagaac gcagttcctg gccaaagcaa ggatgttagc taagaatatg aacggtgggc      540
    attacgcagc tacagcaatg gaggaagaat gatggctcta caattgattt ttgaagaatg      600
    atggcacact catctgctgc ttttgaaaaa tgttgttgtt ccattagtag actttttctt      660
    gtttcatggt tttgatttga taattgggtc caatattata accannnctt agaaatgtct      720
    tttcatttat aacaattttc gaccgttgag tgtaattcct atgattcaac acttgttgtt      780
50  tctgttaaaa aaaa                                     794

    <210> 838
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55  <213> Arabidopsis thaliana

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    tcaatgtcac catcccagtg gatggttatg atcctgttca gtttttcctt acaaaaactct      180
    gcgaatacaa tcaaggtaac gaaggaggat cagcgaaagg atgggctata tttggagttt      240
15  tttcctgcgt attcctnnnn gcactctgcac ttttctgctg tgggggcttt atttataaaa      300
    caagagtaga gcgtgtgcgt ggaactgatg cattgccggg gatgtcactt ctatcgggct      360
    tactagaaac tgtgagtggg agtggacaaa gctactcaag aactgaagac atcaacaatg      420
    cttttgccaa tgaagtctca tgggaccgct ctccgcacat ttctactcaa gcgacaacaa      480
    cacagagacc aagtgaaga acatatggtg cgatctaatt ttgtcaagtg cctcacaaga      540
20  ggtactgttt caagccatgg tatggcacgc ttgtgatctg cgattttctgg attttgcctt      600
    gtatgtttat tttctacctt ctagaaagag gtcaaaaagt taatagcttc accgtgagaa      660
    tgttgttttc accagattca tgtgctatga tagaaaaaga caaagcaaac aagagttctt      720
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25  <210> 839
    <211> 793
    <212> DNA
    <213> Arabidopsis thaliana

30  <220>
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    <222> (1)...(793)
    <223> n = A,T,C or G

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    tgctatcctt gatgagatgc gaggaagtct cgaaataaga ctagcagcag cactggagtt      180
40  gaaaaagact gcngagaaag aaaagaaaga caaagaagat tctgcactta aggcacttgc      240
    tgagcaagaa gccaacatgg agaaagtggg ccaagaatcg aagcttctac agcaggaggc      300
    agaggaaaat tccaagcttc gagattttct tatggatcgt ggtcagattg ttgatacctt      360
    acaaggagaa atttctgtga tctgtcaaga tgtgaagctg ttgaaagaaa aatttgaaaa      420
    ccgagtgcct ttaaccaaat cgatctcctc aagcttcact agttcatgcg gatcatctat      480
45  gaaaagcttg gtgctcgaga acccttctga gcgattgaat ggagtgactg aaacctcaaa      540
    caacaacaag ttcccagaag cagcagcttt ctcatgaac aaagagaaag atgattgtag      600
    agatcttctt gaagatggat gggacatctt tgacaaggag accgaacaag ttgtttggta      660
    ctgaagaatg aagttattgt acatataggg tacttaaagt ctaaaaataa atggattggg      720
    ttctactctt tttagaccaa aacttggatt gggatttata tgtggttcta gctttattta      780
50  acttatggat ttt                                     793

    <210> 840
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55  <213> Arabidopsis thaliana

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 ttcagagaca tcaaaactat atcctctctg cagaaaacca gcgtggacga gttgttattc 180
 ccaagaggaa atgctctatg tatgttggtg tctatgtgtc tcatacttga tggatcttcc 240
 15 acatgccagt tctgtatccc acagacatta aagcaagctc ccaaagcatg tttggaatgc 300
 tcaacatact gacttttagac ccggaattt cggaccattt cacagagatt tcaaccattg 360
 gtatattaaa acgcttgac aagtacacca attcaacatc aaagcaccac cttttcagat 420
 ggacgtttgt gaaaagtctc cttagcagcag cnctagtaaa catcttgaag ccacactgtg 480
 tatcccgaat accaggacca gcagctaata gaaccacaag atggaaaccc ttcacagaa 540
 20 agttgcgata ccatttcctt gtagcaagag ctttctcctc gagatgagca cgnnnaccaa 600
 atgcgganac ttgaacatca cctattttga aatccatata cttagatgct ggatttctga 660
 ttgaatattc ttctctggct actgcattga tctgattttc aagtttttct aggtccgtta 720
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25 <210> 841
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 <212> DNA
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30 <220>
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 <222> (1)...(792)
 <223> n = A,T,C or G

35 <400> 841
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 aacacaccat tacaagcaaa gttgtgacaa aagacgaagt cgttnttgaa ccatctaaca 180
 40 cttttattcc aaactctcca actttggttc tgctacgtac tcttcaagta gtcttttgat 240
 caaacaagac gtctacagag cgtgatacca tctccaatgg aaatctgaga gacctcgact 300
 cggggatcca aagccaattt tttattgaat tctataagag ctgctctata ttctctcata 360
 tgctccggaa ctccatcttc atcctccgcc acaaaaccaa accacaaggt gttgtcgaac 420
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 45 gatttgtcag catccgcaaa tgcaaaatca aactcacatt tgcgttcac caattggtct 540
 aaggccttaa gaccatcgga atggataaaa ttaatcttgt gatcaacacc agccttctta 600
 ataaactcta gtccaacttc gtaagcttct ttatcaatgt ctatcgcggt aatacggcc 660
 tcttcaggta aagcaagagc tgtagtgaga agcgagtaac cggtgaaaac accgatctcg 720
 atagtgtttt tgcgattcat gatctttaca agcatcgata ggaaatgacc ctcatcaacc 780
 50 ggaacctcca tc 793

<210> 842
 <211> 792
 <212> DNA
 55 <213> Arabidopsis thaliana

5 <220>
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 <223> n = A,T,C or G

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 attctcttcg gagcgtcttt accggttgcc gtgctgtgat tttgccccgc tttggtggtc 180
 cggagggttt tgagctccgg gagaatgttc cggtgccgaa tctgaatcca aatgagggttc 240
 15 ttgtcaaggc gaaagctgtc tccgttaatc ctcttgattg cagaatacga gctggatatg 300
 gacgttctgt attccaaccg catctaccta ttatagttgg acgtgatgtc agtgggtgaag 360
 ttgcggcaat tgggacttca gtaaagtcac ttaaagtagg acaagaagtt tttggtgctg 420
 tgcattccgac ggcgttaaga ggtacttata ctgactatgg aattctttcg gaagacgaac 480
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 20 tgactgcttg gcgtgctttg aagagtaatg cannnataac tgacgctgag aatggagaag 600
 caggggaagc gcgtaagcgt aagcatgatg atagcagtga tagccctgct cctgtaacaa 660
 ccaagaaatc taaaaccaa gaagttgaag gagaagaggc tgaagagann nngaagtctt 720
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25 <210> 843
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 <213> Arabidopsis thaliana

30 <400> 843
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 ttgccttaac cgcggttctg gcctcaaacg catatggtgc ggttgtagac atcgatggaa 180
 35 acaccatggt ccacgaaagt tactacgttc tcctgtcat ccgtggccga ggcggaggcc 240
 tgactctagc aggcgcggt gggcagccat gtccttaca tatcgtgcag gaatcttcag 300
 aagttgatga gggcattccc gtaaaattct caaactggag gcttaagggt gcgttcgttc 360
 ccgaatcaca gaacctcaac atcgaaacag acgtcggagc cacgatctgc atccagtcaa 420
 cctactggcg ggtcggtagg tttgaccacg agaggaagca gtacttcgtg gttgctggtc 480
 40 caaagccaga agggttcgg caagattcgt tgaagagttt cttcaagatc gagaaatctg 540
 gagaggatgc ttacaagttt gtgttctgtc ctcgacttg cgactctggc aatccaaaat 600
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 agccgttctt gggttatgtt aaaaaagcta atgtgaccga agtttcgtcc aagactatgt 720
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 45 tttgataaaa ca 792

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 <212> DNA
 50 <213> Arabidopsis thaliana

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 55 gaagctgcta aacatttcac tattatcaaa gaccacttaa gtaatgagat cttcttatga 180
 tggtaaaaac ctcaaggaac actatattct atgtaaaagg gggaaaaaac ttcaatcata 240

5 attgtaaaac ataatatgac atcagcagag aaagagagaa ctaaattcca ttctcaacag 300
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10 ggaggaatat ttctgtact tcaactatct cgcactat gcaatcagt tgtgcacttc 600
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ccttggaact gtactcgtgg tgaaatgatt ttgtttccgg aatattcagt tttgcacttg 720
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15
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<211> 791
<212> DNA
<213> Arabidopsis thaliana

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tccatcaccc ggtcgcacca cggtttagaa tcagccgatg acccgactcc gactatccga 180
25 cccgaccagg atccaaaccc aagagttaaa tccaaattca gctttatatg tcctgaatta 240
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gaagctccgt tatcggagga attttccgtc ttcggtttaa cggctaaatt ggaaaaagaa 360
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aaattaccac gtttaagatc aggacgaagg taattaatcc atctcaatct acaactttta 660
ccacaacgca acaatccagc ggatttagga agagaacgcc aacaaccttc accgtgatta 720
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<210> 846
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40 <213> Arabidopsis thaliana

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50 tatggtgatt gtaattgcag aaggtgcggg acaagatctg ttgtctgaaa gcatgaaaga 180
gtccacaact ctcaaagatg cctctggaaa caaacttctt caagacattg gcctatggat 240
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ggtgatcact gacagaatgt gggcgaggct tttgtcttcg acgaaccaac cgagtttcat 540

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5  gaagcaagct gacaagatcc actcaaacca gttggttggt gaaccagggga ccatgaaatg      600
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   gggaagtaag gtttcttaat ttaatagaaa gcttttcaaa aattgtttta taatattctt      720
   caagcaaaga gaagagagag agataactct tgtgagaata atgtaacaac tcttggttcc      780
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10  <210> 847
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    <213> Arabidopsis thaliana

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    aacacactcc gagatcgcggt aataagcaac tttatccaaa gtactaacag gtccattgat      180
20  aaacacaata ggcttataac caccagggtct cccaaattta gaattgatct catcagcaat      240
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    aatctgcacg agaaccactt tcccacgaag ctcttcggtc tgttcaagaa gctgacccat      360
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    aatgttcccc ttgaaccttt ctctcaatct cttcactttc tctgcagttt tctccgaagc      480
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30  gggcggcccc t                                     791

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    <212> DNA
35  <213> Arabidopsis thaliana

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40  <223> n = A,T,C or G

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45  ttttctcggc ggcttcttct tctcctatct ctccctcaaa tcnntnctc cagttttctt      180
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<212> DNA

20 <213> Arabidopsis thaliana

<400> 854

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40 <212> DNA

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<212> DNA

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<210> 857

<211> 786

35 <212> DNA

<213> Arabidopsis thaliana

<400> 857

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<210> 859

<211> 785

30 <212> DNA

<213> Arabidopsis thaliana

<400> 859

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<210> 861

<211> 785

20 <212> DNA

<213> Arabidopsis thaliana

<400> 861

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<210> 862

40 <211> 785

<212> DNA

<213> Arabidopsis thaliana

<400> 862

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	gcggagtcgg	tgcaaccgaa	caagggaagc	ttccacattg	tccagtaccg	tccatcatag	420
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10 <212> DNA
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<213> Arabidopsis thaliana

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55 <210> 865
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	catccataag	aaacctaaat	gagcaaatca	gtcacttggt	aaaatatgca	aaacaacaaa	180
	agatgactta	gacttgaaga	cttagtagta	gtactgtaca	ttcacacgta	ccttcccttc	240
	cctgtctgtc	tctgttcggg	aatcagtgat	gtcccacgtc	atcaatcatt	cagacaacga	300
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20	tgtactcctg	catactatca	tcagggtctt	cctttcccgg	tgaggctgtg	gtgggtgttc	420
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	cagttccctc	tggctcaact	cccacaaact	caacatcttt	tccaaacaat	gaaggtagag	540
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	caggcatctt	cacatcatct	gtacttccc	gtgcaatggc	tgaagatgaa	tcattacggt	660
25	caaccattc	aggtgacaat	tcattctgtac	ccacatcttc	atcaatctcg	atatcagcgt	720
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<212> DNA
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<400> 866

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	gacagcagag	gacttaggtg	cagggaatgc	tgatgctgtg	tgggttcacg	gtcttgata	240
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	tcgtgattca	gatgatagaa	agaagcacia	gaaagagaag	aaggagaaaa	aaagaaggca	540
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45	agagtggctg	gctaggtacc	aaaatccagc	taccacttct	gcaagattta	aatctgttgc	660
	ttatttcatt	tacgaatcgt	ggagtaaagt	gttggtgaac	attgttgaaa	atgtttgtta	720
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	gagctacgac	tgcgacgtgt	gagttccgga	ttcctgtaga	agtttccact	ccatcagata	180
	gaggatcggt	ggttgttcc	tcgcacaaag	tcactgttca	cgatcgacaa	cgaggagtgg	240
	ttcacgaatt	cgagggtcca	gaggatcagt	atatattgca	ttcagctgaa	tctcagaaca	300
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15	ctggagagct	gaggcagcct	caagcattgg	gaatatcagc	agaactgaag	tcccaggggt	420
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	acgaggtcta	ctggctacaa	tttggaagat	actttgctcg	tggaccaatt	gaaagagacg	540
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	aaagtggcag	actttctgta	ttagagggtga	ctagttaggt	caactttctt	agtcctgaat	660
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<212> DNA

<213> Arabidopsis thaliana

<400> 868

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	aaagtcattt	caaacatgaa	accaagccct	cactgtttta	aacaagcacc	acaaggctaa	180
	agtgtgtcaa	aagaacagca	aacagaagcc	tgcaatgggt	tttagattga	tcagaccgca	240
	aggatctatc	ttccttgaaa	gtataaagcc	aagtactcga	gctaaatgca	gaatcaagcc	300
35	ttgaccgcaa	tcacgaaaga	gcatgtggga	aggcttgata	tatctgcaga	gacagacaaa	360
	ggtatcccca	agttggagag	gacacctcta	atgattccac	acgggaaaata	gaggtacatg	420
	ctcacgcgtt	gtgcagcttt	gctttccctt	ggagtagaag	gatcttcggt	ttcattctca	480
	gatgaagggt	caattgagac	acgagacaac	caccggaact	tgttgtcttg	taatacaaaa	540
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   taacatggat ggtgctggct ctggagggttc aagtactcct ctactgccg tatatgggttc      180
   aacaaaatgt ggacttaggc agtttcatgg gtctatagtg aaagaaagcc aaaaaacaaa      240
   cgttggcctt cacactgcat cccctggcat ggttctgaca gaacttcttc tcagtgggttc      300
10  gagcattaaa aacaagcaga tgtttaacat aatctgtgag cttcctgaga cagtagctag      360
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15  tgttttctct nnntctgttg tttgcgcttt catcancnna caaagcacaa cacctagctc      660
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	cattcttcaa	cttccttcaa	cacttgagcg	gagtcggtgc	atccgaacaa	tgggaagcttc	360
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	ttttgaatac	tgtcaagctt	cgatttcgat	gaacaacatt	tttcttttta	gagttgattt	720
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<212> DNA

<213> Arabidopsis thaliana

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	tttattcaga	ggcttgacca	ctgattcgga	aacaactcta	gccaaaaaag	caacaagcac	180
	acaatatgta	aaaactggaa	gttactcctt	caactgcgga	tcgctgggtg	tagcagctgg	240
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	acactcgtaa	tcactctggt	cacccaaggg	atccactca	atcattttcc	caatgagtgt	420
	gagctcatcg	cgagcctctt	cgataagctc	ttcgacttga	ccacaaccaa	gccgcttctc	480
	aatcatctcc	caatcttctt	cttccttgca	cacattgaga	cgttggcgcg	tgaatgattc	540
	caccgcttta	cgggtaccctt	cactctccgg	cacagcttgg	atctccttta	gggttttgc	600
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	cgtctgcttc	acttttagcca	ataatggccg	tccgattgcc	cgtagaaaca	tctcaaccgt	720
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35 <211> 777

<212> DNA

<213> Arabidopsis thaliana

<400> 885

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	aaaatcatta	caagaagtga	atttttcttc	aaacttgga	cgcccatggg	gaatttttga	180
	gagtctcttc	actctgaacc	ttaccagtc	ttttcatagc	aactccattg	ttatcaccat	240
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	aatgagattc	ttggatcgat	tcttggtggt	gaggaattaa	acccatgacg	atggttgagg	720
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<212> DNA

5 <213> Arabidopsis thaliana

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	catccttggt	gccaccactg	tcagtggagaa	ggctcacgaa	gccatcctca	gtgatataca	420
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	attcgctggc	ctcaaagtgg	tgctcgctcg	cagacatggt	ttcacagaaa	tttgagagaa	720
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<212> DNA

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30 <223> n = A,T,C or G

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	gaggcaattg	attgtgtgtg	aggctgctgc	tcctaccaag	aaagctgatt	cagctgcaaa	300
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	tttgttacta	gatctttcaa	aatcaaaatc	tgtttcttta	taatgtacat	ttagtgcgtt	720
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<211> 776

<212> DNA

50 <213> Arabidopsis thaliana

<400> 888

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	ctgtacatga	agatgtctct	gttatcacca	agacgtttct	tgcagaggaa	gcaagagtcc	540
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	ccagatctgg	gagatgaaac	agagtactga	tgatgatgat	ggttntaata	ataactctga	660
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15 <212> DNA

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40 <212> DNA

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<210> 893
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<212> DNA
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45 accaccta at gggctttggg gcttgagcct ggctcgagct gatttagttg gaaccatgta 540
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gctgtgtctg cggttcctct cggacaggac cgagattgtg cttttggagt cgtcgtcatt 660
ggatttcctc gaggattggg ttagccttga gggagttgga ggtgagangn nactgttttt 720
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<210> 895
<211> 774
<212> DNA
<213> Arabidopsis thaliana

55

<220>

5 <221> misc_feature
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 <223> n = A,T,C or G

<400> 895

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	gctctgttcg	ctggaatctg	tttcgctctt	cttctctggn	acatccaaaa	cgtcttcgac	180
	agttacatct	tcaaacgaac	tgaatcaacc	aatcaaaaac	caanccttgc	ctctgttttc	240
	gaagttatta	tcttctcttc	tctcgttgct	acgatcatct	ccgtcgtggg	tctgcttata	300
15	gccggtgagc	aacacgattt	gaagagggaa	atgaatggat	tctcgaaagg	gaaaggttct	360
	tatgtgatgg	ctatggttgg	tcaagctggt	tcgtggcagg	tctattgggt	tgggattggt	420
	ggacttgtct	actctgtttc	gagcgtgttg	tcgaatgtga	tcagtgtcat	tacgtggccg	480
	attgtgtcgn	nncttgtggt	gatcttcttc	aatttcattg	atgatgagtt	tgatgccttc	540
	aaaggtgttg	ccttggttac	tgccgtctta	agcgtgcag	cttatttctt	taggcttcac	600
20	aaanncaatc	gtatggctta	ttaggttttg	attcttgaat	ctctaaagaa	agttttttta	660
	tttcccttga	ttttttgtgt	gtatatctaa	tcatatattc	taggtgttta	tcttgtgtaa	720
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<210> 896

25 <211> 774

<212> DNA

<213> Arabidopsis thaliana

<400> 896

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	cttgatcttc	tttacacagc	ctcaaaatct	aaacccttaa	tgcacatctg	attttacatc	180
	accaacacca	atgttcgttc	tatcacatga	tagatacctt	atatgggtcg	taaaaatagg	240
	catgtgtata	catgtattta	tgtatctata	tacagagaga	gatccacttc	accaatcttt	300
35	gttaagtcct	tgtcctaccg	gaggcagctc	cacctccact	gtcgtaccg	ccacctgtgg	360
	ctccatacat	atggttctgc	tggtgaagaa	actgatgatg	ttgggtgatac	tgcacccac	420
	caccaccacc	gtagaacca	ccgccatctc	cgacagcatc	tctctgatgc	tctccgacct	480
	caccaccagt	ctgtggcctc	cctagtccag	tctctctccc	ttcgatctcc	ctaaacctct	540
	gcaagtaaac	tttcaatggc	tcaacataat	cctcaaaaac	tagagtagtc	atagcccaga	600
40	gcaaategtc	tccgttgatc	gtcttcctct	tctccttctg	acacttatca	gatgcttctc	660
	cggtgacgaa	gctgatgaac	tcggagacac	actcctgcac	cgtctctttg	gcacctttag	720
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<210> 897

45 <211> 774

<212> DNA

<213> Arabidopsis thaliana

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50 <221> misc_feature

<222> (1)...(774)

<223> n = A,T,C or G

<400> 897

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5	caacagaaga	gcttgaagca	acgaaataca	cacaagagct	tcaagacccc	aataaaacaa	180
	actcactgca	ttacttccga	ctcacacgat	caggtcaaaa	aacaagcaag	attcgtttaa	240
	gaataatcag	atcacaaagt	ctcgagacca	gtataaaaca	atztatgtgc	tttgtgtttt	300
	gctgccagat	gactgactat	agctcagtg	cacaaagacg	gatcattatt	tcagagacca	360
	ttctccgtgc	gaatggaata	taactgaggc	tgtaccatat	cagtgacaaa	atctcacata	420
10	agatcgcaag	gaccgttaag	attttgctat	ggatcaggag	agcgcaaatg	agtgaacaa	480
	cgacacatcc	gatataaatg	gatgtagcta	agaaacgaac	aggggtcaaac	atcatactca	540
	tctgttgctc	aggtcccatg	aggaaaagctt	ccaatagcta	gaacatttcc	aaatgtgaag	600
	agcagtgcaa	atttgatggg	gatcccaa	acaatcatag	acaggaacat	aagtagcaga	660
	ccagtggtca	aagacgcggc	gaatccgtac	attctctggg	tgggtggagag	agcnnagaga	720
15	ccctccgatc	catcttcaag	gaaactatcg	gttggttccgt	cgcggtctcc	tcca	774

<210> 898

<211> 774

<212> DNA

20 <213> Arabidopsis thaliana

<400> 898

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25	aagggagaga	agatcaaaga	gagaagcaaa	caaaaaacgt	cctaaatctt	gattccaaaa	180
	atcaccatga	tccatgatcg	ttttgctttt	caatgttcgt	acaaataaac	aattcaaaag	240
	agtttggtta	ttgttaacta	tggctgcatt	tttggtttag	tagatgatct	tgatcacatc	300
	gtcagatggt	gtcccattat	tgtttattcc	tcattaaaat	gtacttattt	aaagacttgt	360
	tgtgtgttaa	aaaaaaaaac	aaaggatcca	aactttgaga	atctaaaaaa	catttttcat	420
30	caacatcatt	ttgactctgc	ttttcacttc	ttgtgctgag	ccttgagttc	ttttaccttc	480
	tcttccgttg	ccttcaatgc	tttcccatag	atagaaatca	actcatcaat	ctcttcaggt	540
	gagataatga	gcggtggaga	catcaaaatg	ccatcacctg	caacacggac	taacatcccg	600
	tgcttctggc	actcggctcc	aaagaatgcg	ccaacacccc	attctggtgg	aaatggttcg	660
	ttcggagatt	tattgtctac	aaactcagtc	ccaagaatca	aacctgttcc	tcttgtctct	720
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<210> 899

<211> 774

<212> DNA

40 <213> Arabidopsis thaliana

<400> 899

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	gagtcgggca	atcgcaaatt	tagtttcttt	gttactgaa	gcttcaaagt	gttttgagta	120
45	attggaattg	aaggaaagat	gagcaatggt	ggtttgagca	ttgatgagaa	agaaggggtg	180
	atagacaaag	atgaagtcac	gatccgtcga	atgaagaaca	gagaaagaca	acgtagggtat	240
	cgagccagga	aacggatgcg	ggaagaagaa	gcgggtaacg	atgataatct	ttcgtttgag	300
	acaatgggaa	aacaagaaga	agaagaagaa	gaagacgagg	gactagagtt	taatggacct	360
	agtgggttat	ttgagaactt	tgtgcggcgg	gtttattgct	atagaaattg	gaaaaagaa	420
50	gctagaagag	ctcatttgat	tatgaacaag	gctcaagata	gttcttgtga	gtcgggttaa	480
	cggaagataa	ggccgcacgc	tcgagattgg	aaagctgaag	ctagaaagaa	gaaaacttga	540
	ttcttgagga	ttggtcaggt	tgctagagga	tcttgcgagg	tgatcgagga	agagaatgca	600
	caaacaaagc	agatttcaga	ttcaataatc	tcttcaagat	ttctattttt	gtagatattg	660
	gaaatgatca	agacaaaagc	aagtgatttg	ctttttcttg	tctgtgactc	tgtctgtgta	720
55	ttcgaagatc	catgtagtat	tataactaagg	tttatgtgaa	aaaaaaaaaa	aaaa	774

5 <210> 900
 <211> 774
 <212> DNA
 <213> Arabidopsis thaliana

10 <400> 900
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 cacgatcgta taacaagaca cgtgttgcaa gagaagcgat gaaacgttcc tgtcatcctg 180
 tgccgtcaaa gactccgatc cgctgaacac aatcaacgctc gaaaaagggc aaacatcgat 240
 15 ttttggtttt ttctcaccgg aaactgctaa acagagaagg gaggatacac aaacagagaa 300
 ttcaattcca aaatcatcaa tcaagagatt tggcaaaaac aggtaatgag gaaagaaaaa 360
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 gcaatcccaa tatgctggaa acaaaaacttc ctttcatact tgaggtaatt ctgcaaatca 480
 aactttctaa agatacaaat ccgaaaactt aatcttaggc tattatgacc taaaattaat 540
 20 ctccaattga aatctttaga aattattgaa agaaaaactg aaaaagaaac taaagcaatc 600
 ggtaagaaca accgatcgaa cggcggagga aggataaaaag ccggccaaaa ccgcttgtaa 660
 aagccggatt tgccagaaga ggaccggcca tctttgctaa caaagccaaa attaattctc 720
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25 <210> 901
 <211> 774
 <212> DNA
 <213> Arabidopsis thaliana

30 <400> 901
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 cttcacttga tcctaattga aaaggcaata agattgggtc tacgaatctt gctggactca 180
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 35 ttaatgggaa aaagggttgg ttgcctgggt ctgtagatat tgtaaggact gataccgaga 300
 cctcatcaca ccctgcgcgc agaactttca tcaaccagtt acctgactgg agcatgcttc 360
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 aacctaggcg ttctgacatg ctgggtggatc cttttggtat agggagaatt gttcaggatg 480
 gccttggtgt ccgtcagaat ttttctatta ggtcatatga aatagggtgt gatcgctctg 540
 40 catctataga aaccgtcatg aatcatctgc aggaaacggc gcttaatcat gttaagactg 600
 ctggattgct tggagatggg tttggctcta cacctgagat gtttaagaag aacttgatat 660
 gggttgtcac tcgtatgcag gttgtggttg ataaatatcc tacttgggga gatgttggtg 720
 aagtagacac ctgggtcagt cagtctggaa agaattggtat gcgtcgtgat tggc 774

45 <210> 902
 <211> 774
 <212> DNA
 <213> Arabidopsis thaliana

50 <400> 902
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 agagctcaga agactaataa actgtctttt aaatagaaaa gaaatacaaa aatgaaagaa 180
 caaacaaga cttaatagat agatattatt atacctctat ttacttcatc acaccttttt 240
 55 tatttcgaca aaattaaaag agaaactctc tatggaagag aggtctcatga gataccaatg 300
 catagagctt gaggtgtgac ttgtaccatc ccccaacagc aaaatccaac acagctttat 360

5	ttacaaacta	aggaaccatc	gatcacttca	aaagtctcct	tccagcatga	aattgatctc	420
	atctaagctc	catagctcca	ctgggttttc	ctcttctctga	gtcacagcac	cagcatctgc	480
	gccaaagcatg	gcttccactt	ctagtggggt	gtcccacaag	gcgttggtcaa	ggtagtccat	540
	cagatcgtct	gactcatcag	agtttggttt	gagcttcttg	gctgcattgg	tttcttcaac	600
	aaatgatgct	tcgttggttat	tgacaagcat	tgaagagatc	tcgggtggtt	tagggccgtg	660
10	atcactccac	ccgaactcag	aacagtcgaa	ggagttactg	ccctgatcgg	aactgaaata	720
	ctggtatcca	ttgttacctc	cagcatcgaa	cgagtttggt	aacccaaact	gatt	774

<210> 903

<211> 773

15 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

20 <222> (1)...(773)

<223> n = A,T,C or G

<400> 903

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	taatacaata	ctgacgcagt	ctggaaaaat	taaaagcagc	taaacttttt	tccggagatt	180
	tcgtgacttc	ttcttcatct	tgttgtgtct	ctagtaacga	ccaatacccc	agaccctgac	240
	aactccatca	gtgtaaccac	tgaacaatgt	gcttccatct	gcactccagt	tcaagcttgt	300
	gcagtagata	accttcttct	ggttaccagt	tccaacacca	ccttcattct	tctctgcctc	360
30	agacttgaga	tcaaccttca	agtcctcaac	aacagacttg	ctctcaagat	cccaaactct	420
	aatgctattc	tcagtagcag	cacacaacca	gtatctgtta	ggactgaagc	aaagcgagtg	480
	aataatcgaa	cccgcctcaa	gcgagtaaag	cttctttcct	tcagccaaat	cccacaacaa	540
	gataacacca	tctttcccac	caactggcgca	tagcgaacca	tcaggcgaga	cagcaacagt	600
	gttgaggtaa	ccagagtgac	caacaagaga	gttcctcagc	ttacagttct	ggagattcca	660
35	aactttcaca	gttttatccc	aagaagcaga	tacaatagtt	ggtacaagag	tattaggact	720
	aaacctaaca	caactaacc	attccttgtg	accatcacct	tccggacgcg	tgg	773

<210> 904

<211> 773

40 <212> DNA

<213> Arabidopsis thaliana

<400> 904

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	tttcttaga	cgagtgtccc	acctttgacg	aactcagtga	acgccaacgc	gaccaaaccg	180
	agcatcgca	aacgtccgtt	ccaaagctca	gcgtctgacg	tcatgatacc	tttggacttg	240
	gactcaacgc	ttatgccctt	gaaaagcggc	acaagcgacg	caagtgtcaa	gatcgctgtt	300
	gtaccgagga	accatgagac	gccaccgtcg	gagatctgag	ctaaaacggt	ttcacccttg	360
50	gatagctcga	cagccaacgc	cgcaacgaat	ccaaccatcg	ctaaacgtcc	gttaatcttc	420
	tctggtgctg	gaccgctaag	cgctagcaag	tcgctaaact	ttgtgctcac	cttaggtttc	480
	ataggaggag	gaggagatgg	tgacttcggc	aacggctgag	cggccgaggt	agatggtgct	540
	ggtgaagagt	cttcattcgt	gggtcctccc	tcagccatgc	atctcactcc	caccggataa	600
	ttcctcttga	ggttagggaa	gctaccggcg	gagaaaagct	tggttggtgtt	gatcttgcca	660
55	gtgggttaatc	caccggcgaa	gactgattgc	atgttgaacg	atgctgttgc	catttctaaa	720
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5

<210> 905
 <211> 773
 <212> DNA
 <213> Arabidopsis thaliana

10

<400> 905
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 ttaaagaggt ggtcgtgggt agcagccttg atagcatatt catggtgatg gaatacatgg 180
 15 aacatgatct taaagcattg atggagacaa tgaagcagcg ttttagtcaa agtgaagtta 240
 agtgcttaat gcttcaactt ttagagggcg tcaagtatct tcacgacaac tgggtgcttc 300
 atcgagattt gaaaacatct aacctgcttt taaacaatcg ggggtgagttg aagatatgtg 360
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 cgctttggta cagggcacct gaacttctct tgggagcaaa acaatattct acagccattg 480
 20 acatgtgggtc actgggctgt atcatggcag aactattaat gaaggcgcca ttgttcaatg 540
 ggaaaacgga gtttgatcaa cttgacaaga ttttcagaat ccttgggtact cccaatgaat 600
 ctatttggtc tgggttctct aaactacctg gagtcaaggt caactttgtc aagcatcagt 660
 ataacctatt acgtaagaaa ttcccagcca cttcgttcac tgggtgcacca gttctgtccg 720
 atgctggggtt tgacttactg aacaagctcc taacgtacga tcctgaaagg aga 773

25

<210> 906
 <211> 773
 <212> DNA
 <213> Arabidopsis thaliana

30

<400> 906
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 aagcagagca cggatagcga gtttaatagt ttcttggtcca gaggattctt tgtagtctct 180
 35 ctcgaggaat tccctaatag agttggagtt tctgcccgtg gcattagctt tccaagcaga 240
 gaaagtccca gaaggatcag tctgatatag ggaaggagg cgagagtaag ggtcaaagcc 300
 aacgataaga gtagaagac cgaagggtct gacaccacca ctttgggtat acttctgttg 360
 aaggccagca atgtagcag tgatgtactc aacagtgcga gggtcctcaa gtgtaagcct 420
 gtggctttga cactcgatcc ttgctttgtt aatcaagact cgggcatcag ccttgagccc 480
 40 cgcgcagccc aaggcaatgt gattgtcaag gctcacaatt tttctggctg atctagaatc 540
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 accgacggcg gcgttacctc tgcggacggc ttcaagggcg tattcgactt gaaagaggtg 660
 accgtcgggg gagaagacag taattgctcg atcgtatcta gccatctctc tctccgcttt 720
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45

<210> 907
 <211> 773
 <212> DNA
 <213> Arabidopsis thaliana

50

<400> 907
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 aagatacagc aaacaacaag tgtgaatagt acaagagaag agagacatgc aacgaaaaatt 180
 55 ataaccaaaa acgaggttct acatattaaa gacatcccat cttaaaagaa gcttttaaacc 240
 ttgcggactt ggatgttatg tgtcgattga gatcgccaga ttggctgtgt accgctctgt 300

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	ttagcaaaag	tttcttctgc	atcatctgtg	aactccatat	atatggggca	tacaccttga	420
	tacaaagcta	atctttgttg	tatttttttc	tcatttgtga	aggcatagat	tgtgccggaa	480
	ggacgatagt	gacttaacaa	tatggccatg	aaaccggttc	tggatgaagac	aacagttgaa	540
	gttccaagtg	tgtttgacat	catgggttgc	tggatgcaa	acatctcact	catatgggtc	600
10	ttgaaggctt	gaccaagatt	aggtggcatt	tcaccgctag	taatgggtgc	ttctgttcgc	660
	aatgcaacag	tgtgcatcac	tccagcagct	ttcaatggga	actttccgtg	agcagtttct	720
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<210> 908

15 <211> 772

<212> DNA

<213> Arabidopsis thaliana

<220>

20 <221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 908

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	gggtgggttg	attgggttgc	agtagctgca	gttgacataa	cacgtaaccg	accagctatc	180
	tccgtgaagg	atggccttgc	tgttgggtta	ggcgcccaac	actcctccat	taatattcgc	240
	cagtccgagt	cacagtagct	cggtaggtgc	ggcctcagtg	tgttgttcac	tatcccacct	300
30	attatagcac	cgtagtgcac	attagcatat	ggttcctcgc	cggttagaat	ctcccacaag	360
	actataccaa	aagagaagac	atcgaccttc	tctgaaactt	tgctgctgct	accattgaga	420
	agctctgggt	ccatccatgg	taagggttccg	cgtacaccac	cagataccaa	tgtatttctt	480
	ttgattttcg	acaaaccgaa	atcaccaacc	ttgcagattg	ggcgagaagg	atctttgagg	540
	ttcacaagta	aattgtcaca	tttcaaactn	aagtgaacaa	tgtttttggc	gtgcaagtat	600
35	tccattccaa	aggcagcatc	catggcaatg	attagtctct	tacgacgatc	caggtgtcta	660
	tctttcctga	ctagaacatg	tctcagagaa	ccatcaacca	tgtactctgt	tacagtagcc	720
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<210> 909

40 <211> 772

<212> DNA

<213> Arabidopsis thaliana

<220>

45 <221> misc_feature

<222> (1)...(772)

<223> n = A,T,C or G

<400> 909

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	cagagacggg	aagctctatg	tcgtccagac	acgaccacaa	gtgtgatcaa	attctctgac	660
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<211> 772

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15 <213> Arabidopsis thaliana

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10 ttttgtatat tatcttgttt ttttaattat gcgtaatcaa tttttattgg tgtgagtttg 720
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<211> 771

15 <212> DNA

<213> Arabidopsis thaliana

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<211> 771

35 <212> DNA

<213> Arabidopsis thaliana

<400> 916

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55 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G
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<213> Arabidopsis thaliana

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	tacaaatgca	tctctcgtgc	acctagaaaa	cgctcctaaca	tgagggacat	tgttcagggt	540
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15	tctccacggc	ttcctcctcc	tcctccgata	gtggaggagt	cagaagggtga	gttaactgca	660
	aacggatcat	tacgatcaga	aattcatcgg	agggataatt	ccttgacag	tagtatagct	720
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<210> 942

20 <211> 764

<212> DNA

<213> Arabidopsis thaliana

<400> 942

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	tttcaacaac	aacaaaaaaa	agtagtctaa	ccaagtgcc	accacaaatt	gtctgtgttt	180
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	gatggctccc	atgaaatcag	ccaaaacggg	aagtgcaccg	atacaaactc	ctccaaaagc	420
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	catcaccatt	tggtgttcct	ttagctgctt	agctacatcc	ctagcagaag	atccagagac	540
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35	tgcatggaac	gggtgagctg	ccatgtcaga	gaaacttgct	ggagctgtga	tgaggttaagc	660
	cagaccacta	actggaatag	attgtccact	gtactcagat	tctttccatt	gtcccaaaag	720
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<212> DNA

<213> Arabidopsis thaliana

<400> 943

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	agattataga	cccagggtc	ggtgatagtt	acccgtttga	ttcgggtatac	aagatggcgg	480
	aattagggaa	agcatgtaca	caagagaatg	cgcagctacg	tccgagtatg	agatacattg	540
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55	acgaagattt	agtcagtctt	atgtccggcc	ggtagactcg	ttttccggtt	tgctggttgt	660

5 atatagaaat gattgttttt tggtatgctc acgtatatatt tgtctgtcta tacgaacttt 720
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<210> 944

<211> 764

10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

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<223> n = A,T,C or G

<400> 944

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	caccgacgac	agcgcaannn	ngcgannnng	cgacagtgga	gaaagcagaa	atgagcgagg	180
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	acactttacc	aatctcttgt	cccaacaata	tcacacactg	taataccaca	ccaccatcat	660
30	cgataccttc	tcctcatctt	aaaatcatta	tcatgtgaga	ttctatttgt	aacttatgta	720
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<210> 945

<211> 763

35 <212> DNA

<213> Arabidopsis thaliana

<400> 945

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	cttctattct	ttgttctaca	tgatcgttta	gtgatgcaaa	tcctgaaaat	atcgctgttt	480
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	gcattctccat	catgtatgtc	tcctgcgagt	tcttcaccgg	cggatcactc	acccttgaaa	600
	cattgacgat	ctgcgtgaag	ttatcgacga	cagatgtgat	gtcagtctcc	actctctgta	660
50	acaacgcctt	ttgcttctgt	aaagccgcgg	cggcggcggc	ggcgttgga	ccgcttcctc	720
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<210> 946

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55 <212> DNA

<213> Arabidopsis thaliana

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<223> n = A,T,C or G

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gaagatggaa agcaacactc aactattaca aacccatggt aaaagaccaa gcgaatcaat      180
15 tggagtttcc tcgtgatttt ctagggattt cacttgcgga tcagccgaat aagtactatt      240
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20 tggaggagtt cttggagata tggaaatgaag ctctggctaa aagggtcggtg ccgggtaagt      540
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<212> DNA
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agggcnnntg ttcaggctga tgatgataac ccatgtttcg ccattgagat atagtcattc      660
catggaagac aacaacacta aaatatgcat ctaatnnnag aatcttnnna gctgcaatgg      720
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<210> 948
<211> 763
<212> DNA
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	atgactccaa	agcccttact	gttggtgaga	aacctgtaga	agagcctgca	ccggcgaaac	240
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	agaagattgc	agatgttcat	gcttgggaaa	acagcaagaa	agcagctgtc	gaagcgcaac	420
	tcaagaaaat	cgaggagcaa	ctagagaaga	agaaagcaga	gtatgcagag	aggatgaaga	480
	ataaggttgc	agcgattcac	aaggaagcag	aagagagaag	agcaatgatt	gaagctaagc	540
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15	ttccaaaggc	aacttggtga	tgtttctaata	cttgaatttg	cgaatcaaag	tttcaagact	660
	ttgtaactgt	aaagtgtaat	caaatttctc	tgttctcttt	aatggcttgt	aatgttgttt	720
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<212> DNA

<213> Arabidopsis thaliana

<400> 949

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	attgccttca	cgtgtttaca	aattaacat	ttcattctgc	tttctctggt	ggtgttcttc	300
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	actcgtaaat	gcagaggaat	tcctagttaa	aaacgacgtc	tgcacactct	tgcgcgcatg	480
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	gttgctataa	caggatttta	attccttatg	ggttatacaa	gtaggaacac	gagctgctcc	600
35	atgagaatgg	ttgcagactt	tgtgtagtgt	ctatatgtat	ggattcaaac	acatcctcca	660
	aaatgtccct	ttgcctttgt	gtaaataatg	atcgctacaa	caattgtacc	tctactatga	720
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40 <211> 762

<212> DNA

<213> Arabidopsis thaliana

<220>

45 <221> misc_feature

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<223> n = A,T,C or G

<400> 950

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	cttggcagct	actagctaaa	gatatttttg	ttcctcgtga	gnnntgtggc	gactcctcaa	240
	tcagattacn	ngagttttgt	attcttccag	caacttcgag	atgtcattaa	tccgcaactc	300
55	ggaagaactt	ttgatattgat	aaaacgtaaa	ggctcttcgtt	ccagggaggc	caaatcagc	360
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5	taaggaacca	agctctttta	gttgtaaagt	tctcggagt	gactgtttcc	aatgctgacg	480
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	caaccctgat	gaaacagata	ttcccatttt	ctggtgcaag	tcaacaatac	tgaatccatc	660
	ttgtcccctt	tccttggtcca	actctctctc	tgactcttta	atttcaggag	ggttttacaac	720
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<212> DNA
<213> Arabidopsis thaliana

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<210> 956

<211> 762

10 <212> DNA

<213> Arabidopsis thaliana

<400> 956

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	gttcgaattt	tacccaattt	cttcagtttc	ttaagcattg	agtctttctt	tgagctcagc	240
	agcgactgca	tcgatgaact	cctctgtgtt	caggtacgtg	tccctcgaaa	gctttgagcc	300
	gtgaatgatg	agtgaagat	ctttggtcat	tttccctgac	tccactgtcc	caacacaagc	360
20	ggcttccagc	ttctcagtg	aatccaagag	ttttgcgttg	tcacttaact	tagccctgtg	420
	tgcaagtcca	cgagtccaag	caaaaataga	ggctatgctg	tttgtgctgg	tctcaccacc	480
	tttctgatga	accctgaagt	gacgggtgac	agttccatgg	gccgcttcag	cttcaatcgt	540
	ctttccatct	gggcagacca	gaacagatgt	catcaatcca	agtgaccgca	atccttgtgc	600
	caagaaatca	ctttggacat	caccatcata	gttttgcatg	cccaaacata	gcctccctca	660
25	ctcttaagag	cgtaggccac	catatcatca	atgagacggg	gttcatacca	gattccagca	720
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<210> 957

<211> 762

30 <212> DNA

<213> Arabidopsis thaliana

<400> 957

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	catggaacct	agaagatgat	aacagtaata	ataaaagcaa	aaggcaatca	acggtaacga	180
	cgaaggctga	gagagttgtt	tttcttccat	gtagccctgc	gagatggacg	gttcttgttg	240
	ttgttgtgac	cctttccgcg	gagacctctg	ttcttctttc	cctctgaggt	aagtcctctg	300
	agctcacggg	gcttgtgaac	tgggttgacg	atccagttga	ttctcgggtc	attacgcaca	360
40	gcatttgttg	ctgggtcaac	caagatgatc	tcgtagtact	tgtaggtcga	atcctcattg	420
	agccagtaag	agttgacaac	tctgagacca	cccaatttcc	tgccagcacg	ctcctcagca	480
	acagaacgct	tgctacgctg	gaacttgagt	tgtgtcactc	cctgggttgt	tggcttacca	540
	tacacaatac	ccttaggcac	tggcctcttg	cgtccaccac	gtctcacacg	tacacggtac	600
	acaacaaagc	cctgcttggc	cttgtaaccc	aaacgacgag	ccttatcagg	acgagtaggc	660
45	ctgacgagac	gaacaatcga	agggttgctgt	ctgtactccc	agcacctaac	cctctggagg	720
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<210> 958

<211> 761

50 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

55 <222> (1)...(761)

<223> n = A,T,C or G

5

<400> 958

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catactgatg	caggaggtgt	cgtttttgctt	ttccaagacg	atgaatatga	tggccttcag	180
10	gtcttgaaag	acggcgagtg	gatcgatggt	cagcctctac	ctaagccat	240
	actggtgac	agattgaagt	tcttagcaac	ggaaggtaca	agagtgcgtg	300
	ttggcgaggg	aggaaggaaa	cagaaggtct	atagcttcct	tctacaatcc	360
	gcggcgatag	ggccagccgc	ggtggcggaa	gaggaaggaa	gtgagaagaa	420
	tttgtgtttg	gagattacat	ggatgtttat	gcaaaccaga	agttcatgcc	480
15	cgtttttctag	ctgtaaagtc	tctctaaatg	tactatnnta	tttattttta	540
	actctttttt	ctacacccat	tatgtatttt	ctcttaagct	ataaatgcc	600
	ttaaaaattt	ggcatctgct	ctccaggctt	tatatatttt	tggttttttt	660
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<210> 959

<211> 761

<212> DNA

<213> Arabidopsis thaliana

25

<400> 959

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tatgtatcaa	aacactcaag	gagcaaatgc	tggagataat	gacctaata	acacaacaat	180
30	ttttgttgga	ggtctggatg	ctaattgtac	agacgatgaa	ttaaagtcaa	240
	atthgttgaa	cttcttcatg	tgaaaatacc	tccaggaaaa	cgthgttgat	300
	tgccaacaag	gcgtctgcag	agcatgcact	ttcggtgctg	aatggaacac	360
	acaaagcatc	cgtctttcgt	ggggacgtag	tccaaacaag	cagtctgatc	420
	gaacggtggt	ggatactatg	gataccctcc	acagccacag	ggcggctatg	480
35	tcaaccacca	actcaagacc	ctaattgcgt	ctatggtggt	tacactggct	540
	tcagcagcaa	cgtcagtgaa	acatcaacat	cagctatttc	taccaatgtc	600
	agatgagcga	ttgtgtctta	ttaggacttc	tagattaaaa	gtgctctctt	660
	ttttattttg	caaatgagtc	gatcttgaat	ttgctatgaa	caaagtgttt	720
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<210> 960

<211> 761

<212> DNA

<213> Arabidopsis thaliana

45

<220>

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<222> (1)...(761)

<223> n = A,T,C or G

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<400> 960

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ctctttccga	cttggtccga	tttacttccg	actttgttcg	gttttagttg	ttttctttct	180
55	cttttggttg	tcttttgcag	gttcaaatta	acacttccaa	ttttgggaag	240
	cggaagtcat	caaatggatc	cttggttcatt	gagtgcttga	ttcttctccc	300

5	aattccttgc	tccgccgaaa	gggcttggtg	agagcggttg	ttctccttgg	tggattgata	360
	aagttgatgn	ngttgattgg	gacgggatat	gaagaattgg	agtcttcgtc	ttgttttgat	420
	gattctctga	tgaatatattc	gagctaatacg	gctgaagnnn	aaaattttcg	tgatcaagtt	480
	taggtccagc	caatcncttc	cgggtgtcta	tggcataagg	cgagttgnnn	caatcgaagg	540
	cacatataga	ggtttctcgg	aggttgagtg	cgatctaccg	gctgatgaag	aaaattttccg	600
10	gtgatgatga	gtcgggtgacg	gcgtagctga	cgaaaccttc	tcttctctca	acatctcacg	660
	ttgcataaca	cgtgtcattt	tgttttcctt	atcttggtgt	gttgcaatta	gtgggccaac	720
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<210> 961

15 <211> 761

<212> DNA

<213> Arabidopsis thaliana

<400> 961

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	accagtcaca	caacagttaa	caatagaaat	tccgaccaca	aaaacacaaa	ttatagaata	180
	cacgggtggtg	ttatttagag	ttctccgagc	aaactcagat	gtgagccttg	acaacggtaa	240
	cagggcatgc	aacgttggtg	acaacatggt	tgcttacact	tcccataatc	atcctcttaa	300
25	gaccaccaag	gcctctgtta	cccatcacia	ggcttgagag	aggaatctgt	tcagctgctg	360
	cacaaatctt	ctcacgagga	tctcccctaat	atatcttcat	cactactgta	atcgttttct	420
	tcctagcggc	agtattgaca	atgtcaaggg	tttcagcatc	tggcttcaat	gcatactttt	480
	tcatacacagc	agcgtcagag	aattcactca	taggaataaa	aggtgatcca	acggctctccc	540
	agagctgcat	ctcgccttcc	tcgtaattca	tatcgtgagc	aatagtgatt	aggatcagat	600
30	gatctccatc	gcgaaccacg	ttatcgatcg	cccagctcag	agccttctta	ctgcagtcgg	660
	agaaatccac	cgccactccg	atccttcgtc	caccactctc	cgccataact	ctctctgtag	720
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<210> 962

35 <211> 760

<212> DNA

<213> Arabidopsis thaliana

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40 <221> misc_feature

<222> (1)...(760)

<223> n = A,T,C or G

<400> 962

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	ctgtcctgct	cttggtggtc	caggcatcca	ctattcagat	gataagctac	tccagaccgg	180
	gatcttctcc	tacgtcgata	gtcagagaca	ccgtcttgga	ccaaactatc	tgcaactacc	240
	tgtaaatgcc	cctaaatgtg	ctcaccacaa	caatcaccat	gatggtttta	tgaacttcat	300
50	gcacagggat	gaggaggcta	attacttccc	ttcaagggtg	gatccagttc	gcatgcccga	360
	aaaataaccct	acaactccta	ttgtctgctc	tggaaatcgt	gagaagtgtc	tcatacgggaa	420
	ggagaacaac	ttcaagcaac	caggggagag	ataccgggtc	tgggattcag	acaggcaaga	480
	acgattcgtg	aagcgttttg	ttgaagcgtc	ttcggagcct	cgtgtcacgc	acgaaatccg	540
	cagcatttgg	atctcttact	ggnnncaggc	agacaaatct	ctgggacaga	aactagcaac	600
55	tcgtcttaac	gtgaggccaa	acttctgaat	gatatcatct	ctaaagacta	agtgaaatcc	660

5 tataaaactca atatgctcct cttacggttt ggtttctaag taatctcggt tattgacaat 720
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<210> 963

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10 <212> DNA

<213> Arabidopsis thaliana

<220>

<221> misc_feature

15 <222> (1)...(760)

<223> n = A,T,C or G

<400> 963

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gggtggaagag aggccgagag ctctgacct tgacagggga tctcgagctg tttgaaagag 180
gcagagtaat agacaaatth gaagagccag gaggccagtc ccgtgttctg ctggcttcga 240
ttacagcctg tgcagnaggc atcagtctaa ccgctgcttc acgggtgatc atgcttgatt 300
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25 agaaagtggg gtacgtttac cagctcttgt cgagaggaac acttgaagaa gacaaatata 420
ggaggacgac ctggaaagaa tgggtctcca gtatgatttt cagtgaagaa tttgtggagg 480
acccatctca atggcaagct gannagattg aggacgatgt tcttagagaa atcgtggagg 540
aagncaaagt caaatccnnc catatgnnna tgaagaacga gaaagcttca acaggtgggt 600
gattgctgaa tttttccagt tcaagtttct gtttcacat gcctttgatg atgattcttt 660
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<210> 964

<211> 760

35 <212> DNA

<213> Arabidopsis thaliana

<400> 964

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gctttgcaat actcgcatgt gtgcaagtat gcttgcctcg aagaagtacc tgagcttcaa 660
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<210> 965

<211> 759

55 <212> DNA

<213> Arabidopsis thaliana

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<400> 965

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ccacgattgc	tctgcgaaac	tcatcattgt	gaagtataaa	ggaagacacg	tgtccacctg	180
10	tgacccatct	cactttctgaa	ccaggccacg	ccttttgaag	ctccaacact	240
	gtatgtatcc	atcatcagtt	gcagcaacaa	agataacagc	atcagggttt	300
	ggaagcgagt	gacgtctgtg	agggagagaa	cattccgcat	ccgctctctc	360
	gagtcattgt	gatctttctgt	gctgcaagtt	cctccctcag	tgccctccaa	420
	actttaatat	tccttcgcag	aatgcaacaa	cagcagagt	cggagatagg	480
15	ttgcaactgg	tggttgatga	agcgatccaa	ccatcgaagc	atgtactcct	540
	gcccacaaac	acccatcttt	ccaaagcctt	cctcagtgtc	tagccagtga	600
	gggactcttc	gattgttgcc	ctccctagca	aaagtagatc	actaacacag	660
	caccgcattg	aagaaaggga	cgcctttggc	catagaaagg	gctgcagtgg	720
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<210> 966

<211> 759

<212> DNA

<213> Arabidopsis thaliana

25

<400> 966

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35	tacatgatcg	taagaccggg	agaaacagag	tctttgcctt	tctttctttt	540
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	tcagagaagg	tatcgagaag	agtgaatcgt	aaaccaactg	ttctgctttt	660
	catctcttgg	acacaaacaa	tgtgtaatga	atgtcttctg	atttcttcga	720
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<210> 967

<211> 759

<212> DNA

<213> Arabidopsis thaliana

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<220>

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<222> (1)...(759)

<223> n = A,T,C or G

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<400> 967

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ggataaaaga	tgatccaact	gtgaacctgg	cgggcggcaa	aatgcagaca	gtcacttcct	180
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5	tgtagaagac	cgatcattgt	ttgggatgag	tctgcttaat	cgattctctg	tgaaatcagc	360
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10	cgctttgtcg	gcagatggta	ctggaatatt	catagctggg	cttaaagttg	gctaattggaa	660
	caggaaaagc	gtgagaaggt	tgatacacta	ttcaaaatga	taagaattct	gcacatacag	720
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<210> 968

15 <211> 759

<212> DNA

<213> Arabidopsis thaliana

<400> 968

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	gcaaatcagc	cgtttctgct	tctgacttct	tctactccgg	tttaggtggc	cccttagaca	180
	cgtcaaacc	taacggagta	accgttgctc	ccgccaacgt	cttaaccttc	ccgggtctaa	240
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25	acttgcaccc	gcgtgcaacc	gaagtaggaa	ctgtgatcga	aggctcgggtg	tttgtcggat	360
	tcttgagtac	caacaacact	ttgttctcaa	aagttttgaa	tgcaggagag	gcgtttgtta	420
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	ttcacaataa	gcttttatagc	aatattggta	tacacttgct	tctgtaataa	tcgggtatgaa	720
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<210> 969

35 <211> 759

<212> DNA

<213> Arabidopsis thaliana

<400> 969

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	tttgagtgta	aaatccaaga	ggaagatcca	ataagtaagt	aaggaaagaa	ttatgggtttt	180
	tcacgggtgt	ttagagatga	tcacagatgg	cttttgtgaa	atctgttgta	gttgaggaac	240
	ctccgagatc	agcagttcta	tactttccct	cggctattgt	gttgatgatg	gcactgtgga	300
45	tttgctctgc	ttgtttgttg	agcttcaggt	gccgcaacat	catcactcca	ctcagtagca	360
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	cagcaagggc	aataccatcc	tccccaatat	tcatactagg	agtcagtcct	agtcccccaa	480
	caagtccagc	acacaaatcg	ctgataatat	ctccatagag	atttggcatc	accaagacat	540
	caaaaagtgc	tgggtttttc	acaagcatca	tacagcaatt	gtcaataaca	accttctcgt	600
50	aatatatctc	aggatacttc	gcagcaactt	catcacaaca	ctgcaggaaa	agaccatcag	660
	ttttctgcat	aatgttggct	ttgtgaattg	cagaaacttt	cttccttccg	tgagtcttgg	720
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55 <211> 759

<212> DNA

5 <213> Arabidopsis thaliana

<400> 970

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	ctgacttggtg	tttagcttct	aatcttctgg	tctcacaccc	aaatccttct	tacctcattc	240
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	gctgggtggag	gtgggtggagt	agggaaacaaa	ggaggaacag	ctgagaaaaat	agtgtttttg	360
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	tcgcgcttgt	caggaccagc	aaccatggct	ccttcaatcg	tgtttgggtt	tggtttcttg	540
	ctgtctctcc	atttccatcc	tcctttgcag	ttatacttga	ctttgttctt	gggtatcgaa	600
	gctcctctgt	gatgcacatg	tcttgggtat	tttgtgccaa	aaccaacgac	ataactcatt	660
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30 <223> n = A,T,C or G

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   agaacacaaa ctttgaatct tgcaagaaac acaaatttga gtgacattca agattttttc 180
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	gtccttcttc	tttttatttg	taatgtcacg	gcttgataac	tattcaacac	gtaatgtcac	720
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5	gcccgggtgtc	cgcaaagatt	acgggtgaatt	caactgtgag	attgaatcag	atggaaaggt	420
	tatactggag	ggatcaacta	caacaggcga	aaaaaatatc	aagagacatt	ctcgggtgtt	480
	cgagatgaat	atccggaagc	tgtgtccgcc	tggacctttc	aaactgtgct	ttaanctccc	540
	gggaccagtt	gatccgcggc	tattctctcc	taacttccga	tcagatggta	tcttcgaggg	600
	agtcattcatc	cgacacaaaa	actcttaatt	aaaccggagg	ttcctataca	agttttnnnac	660
10	ttaggancna	tgtagatctt	ttatctttat	gttnnnggac	atagaaggaa	agcgaatcaa	720
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<211> 755

15 <212> DNA

<213> Arabidopsis thaliana

<400> 986

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	tttagattac	aactaactcg	taagagtaac	tttaaaatgc	tattcttaga	gaggaagttc	180
	tccactgtct	gcaattacga	ctttgtctct	aggagttccg	ctttgtttgc	cctcagcttc	240
	aatcttataa	actacatcca	ttccttgcac	cactttccca	aacaccacat	gccttccatc	300
	taaccagctt	gttgtcaccg	ttgtgataaa	aaactgcgaa	ccatttgtgt	cttctcccga	360
25	gttcgccatt	gaaagtacac	ctgggtccagt	gtgcttcagc	ttgaagttct	catcagcaaa	420
	cttctgacca	tagattgatt	ctccacccat	accgttccca	tgcgtgaagt	cacctccctg	480
	gatcataaag	ctgggaatga	ttcgatggaa	cttgcttccc	ttgtagtgta	gaggtttccc	540
	actcttccct	acacctttct	cccctgtgca	caaagctctg	aagttttctg	cagtttttagg	600
	aactgccttg	ccaaatagtc	ctataacaac	gcgaccagcg	gatttgccgt	cgatctctac	660
30	atcgaagtaa	accttgtag	taacctcctt	gagatcttct	tttgcttgaa	ttgaagctat	720
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35 <212> DNA

<213> Arabidopsis thaliana

<400> 987

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	gtggctcgacg	gcggctctag	ggcgaaggaa	aaaaaaaaatt	ccaaaaatta	attccaaaaa	180
	gactcttgag	agtcttgatt	ccccattttc	catcttcact	gtatttgatg	aggatttttt	240
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	tccaaagaca	attaaatcat	ttaaagggtt	ttgcctctga	tgtctgatgt	ctctctgtct	360
45	catcaagtta	ctgttttttt	tattctgagt	gaaatttttac	atttttcaca	ggtgattgga	420
	accaagacaa	agatctgtat	agttatggaa	tacgtttcag	gtggctcagct	ttcagacaga	480
	cttggaagac	agaaaatgaa	agaatcagat	gctagaaaac	ttttccaaca	attgattgat	540
	gctgttgatt	attgtcataa	cagaggagtt	tatcatagag	atcttaagcc	acaaaacttg	600
	ttactagatt	caaagggtaa	tctcaaagtt	tctgactttg	gattaagtgc	agttcctaaa	660
50	gtaacaattt	ctaattttct	agtcacacaa	agcaaaaatat	ttgggtttgt	aacaatcaaa	720
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55 <212> DNA

<213> Arabidopsis thaliana

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cggctaacca tacgcttctc ggaagtcgaa gaggttgctc tagaatcaaa gcgatttcca 180
10 ctaaattggga accgacaaaag gtactgtctt ttccgaaaaa tgtattgggt tctctgtttt 240
taaaaaactgg tgattaatct tagtggtgag gtgataattg cagggtgttc ctcaggcaga 300
cagagttctt gttcgtcttg aagatcttcc tattgtcagt ttagctcctt tattgtctga 360
aatgtcatga ttattatcaa taagctatta atttgatgaa tcactaaatt gaattccatt 420
gccaaaaact tatgggctct taaattgtta ttctgaagaa atcctcagggt ggagtattgt 480
15 tgcctaaagc agctgtgaag tttgagagat acctaacagg agagattata tctgttggtt 540
ctgagggttg acaacaagtt ggacctggaa agaggggttt gttctctgat gtgagcgctt 600
atgaggtcga tttgggaacc gatgctaggc attgcttctg taaagagagt gacttggttg 660
ccttcgttga gtgaagtctt gtccaagagg gagagatttg aagattttac aagttttctg 720
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20

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<212> DNA
<213> Arabidopsis thaliana
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25

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atgcattctt gtcgctgct caactcacc ctaccttcta cgatagggtc tgctcctaatg 180
30 tcaactaatc cgtacgagaa accattgtaa atgagttaa gtcggaccct cgtatcgtcg 240
cgagcattct tcgtcttcac ttccacgact gctttgttaa tggttgtgac gcatccatct 300
tgtagacaaa cagcagatca tttcgaacag agaaagatgc gtttggaac gcaaattcgg 360
ctcggggatt tcctgtgatt gatagaatga aagctgcggt ggagagggca tgcccaagaa 420
ccgtttcatg cgcagatatg ctcaccattg cagctcaaca atctgtcact ttggcaggag 480
35 gtccttcttg gagggttctt ttgggaagga gagacagttt acaagcattc ctggaactcg 540
ctaattgaaa tcttccagct ccattcttta cacttccaca acttaaagcc agcttcagaa 600
atgttggtct cgatcgtcct tctgatctcg ttgctctctc cgggtggtcac acatttggtg 660
aaaatcaatg tcagtttatt cttgacagat tatacaattt cagcaacaca gggtttaccg 720
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40

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45

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<223> n = A,T,C or G
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50

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aacaggagtt ccatcacctg nnagtatact gaaccagaga ccccaactcc attttcgtca 180
55 aggtttgatg aaggagtgtn nnacgagtgt agtacaagt cttcctctct tcaagtgctn 240
nngctaattc acattgatga ttgtccatnn gatcttcgtt cactaccaca atcaatgggt 300
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5	tccctagttt	cagtgtctca	aatatacttc	cagatccagc	gtgactaata	acaagagatg	360
	cagatcgaat	ataatcagcg	atacttgagg	aaaatgtgaa	gtaatccaca	actaatgata	420
	catccgctcc	atcacactta	gttgggaaaa	agattcctcg	acccatttga	ataagaagat	480
	gagtaaatec	tctcttctgc	agttcgtctt	taacattttg	actaaccact	gctttcacaa	540
	gagcatcgaa	actcgttggt	cctacagtta	caaacactac	tctctttgca	ttctctctat	600
10	cctcctccat	ttttaaactt	ctcgattccc	aattccaaat	ctaccaaatc	agactgagga	660
	tacaaaagca	ccgatcgatc	ttaagaggca	gatccaagaa	tcttgctttg	ggatgaatcg	720
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15 <211> 755

<212> DNA

<213> Arabidopsis thaliana

<400> 991

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	tggtcttttg	ctctctgata	ctcatgatta	cagcagcgaa	acgcttgggg	ttatatccag	720
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35 <211> 754

<212> DNA

<213> Arabidopsis thaliana

<400> 992

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	cttctgaatg	tagtagagag	caacaatgtt	catcatacca	ccagagtaag	tcctaattgcc	180
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	tgttcacgat	tatgattcag	tgagcactaa	ttccttatcg	caaactggac	acgcctcgct	300
45	tctttccatc	catgcaagaa	tgcaagcgag	atgaaagtca	tggccacatt	tagtgagcaa	360
	tttcgggtta	tcaatctcat	attcttctaa	gcaaattgga	cattcatcga	ttgcttctcg	420
	atactgtttc	tttagctcaa	aatcagttag	atcatcaaca	tgccatgttt	tcttctctgg	480
	aacaacttgt	gtgagtcctg	gggatgcttc	actcgaattg	ccctgagttc	ttggcaattt	540
	cggtggaacta	gtttgaagat	ttatatctgt	gatggctaaa	ggaataggcg	gcgaaagagg	600
50	tgaactgtat	gcattagaga	gagaggaagg	cgtggcacga	gataagggaa	gatgctcatc	660
	tatagttctt	gagctttcgg	gtatactcgg	gagacaacag	cagcaacca	ttctttggta	720
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<212> DNA

5 <213> Arabidopsis thaliana

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	agaagattga	ttgtttgggc	taagaaaaca	gaaagagcgt	aaccaacccc	gtagtagaga	240
	gtttcagata	accttcttct	tctcgaaaaa	cgtcttcaag	tgcaaaaact	gcattccctgc	300
	aactcctatg	cagacgaaaa	acgagagaaac	actcaaccac	gccatttttg	tgtagtgga	360
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20	cgagttaaca	gtatcaagaa	gactctttac	ttcaaattcc	ataacttcga	cttgactctt	480
	cttagcaaca	ttagcccagc	ttttagattg	aacaccagtc	ttccactcaa	agtcaatact	540
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	aacagccgag	aatgcgaatt	gtcctgaann	nacttggtcc	gcgtgatggg	aattgtnanc	660
	ngaattagac	gtcacnnnna	cggaaatttt	gtgagtttgt	ggtaaagctt	gaccttcgtg	720
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<211> 753

<212> DNA

30 <213> Arabidopsis thaliana

<400> 994

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	agacaatttg	cgtcataatc	tcgaattgca	aaggaacgaa	gtgattgctg	tgatgaatct	300
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	aatcgaggt	ggacatgcct	cttcagggaa	cagcttttgg	caaagaatag	tgacatctat	420
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	ttgatttacc	ctttaacgtg	aatttagaga	atcttacatg	aaactaaaaa	tattgtacgg	660
	atthttgaaat	ttgttgacag	tcccttctga	agtaaacata	gaatgggtgg	aaaaacgtga	720
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10 aaaagtaaat taacataata atgagaaaaa tgagtggtga atgcagttat ggaaggaaga 600
tgagatgaaa gaggagggtga ttggagggtca caaaggatgg cttgtcatcg aagaagttag 660
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aaaaaataaa attaagaaaa aaaccatgtc gagattctga caaaacgatg aacaaaaact 180
atatttatga tcttcttctt cttcatctgg gcttttttat ccccaatttt cttctcattg 240
25 tgtttttggc ttctcgatct tgacataagg gagaactccc agaaagtatt ttacctttgg 300
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<212> DNA
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55 <210> 998
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5 <212> DNA
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10 <222> (1)...(752)
 <223> n = A,T,C or G

<400> 998

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	caagggtacg	gatcaggtgg	ccaagggtag	ggaaccggtg	gccaaggata	cgaaccggg	180
	accgggactg	aaggctttgg	aactggcgga	ggagctaggc	accacggcca	agagcaactc	240
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	gacaagatca	aggaaaagct	tcccgggtgt	ggccgttaag	cttcgaacaa	tcgtgtatac	540
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	ttttatgtat	gtaagtcctg	cgatgtgtgt	tgtttactta	catgagtgtg	taatgagcat	660
25	ctggctctnn	nnnnnnnctg	agatgtttgt	gttatgtaat	ttcacatcta	tataaatcta	720
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 <211> 752

30 <212> DNA
 <213> Arabidopsis thaliana

<400> 999

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	tctcattacg	cctgatacca	aaagacctca	cagtgtacct	cgccttagag	aagacagggg	600
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	tcttctccga	cgccatttta	aggagatcaa	tg			752